Andrea Cornia

List of Publications by Year in Descending Order

196 papers	10,028 citations	54 h-index	95 g-index
201 ext. papers	10,528 ext. citations	6.7 avg, IF	5.63 L-index

#	Paper	IF	Citations
196	Structural Diversity of Lithium Oligo-α-Pyridylamides. *Chemistry*, **2022**, 4, 520-534	2.1	
195	A tetrairon(III) single-molecule magnet and its solvatomorphs: synthesis, crystal structures and vapor-phase processing. *Inorganica Chimica Acta*, **2021**, 120698	2.7	
194	Engineering Chemisorption of Fe4 Single-Molecule Magnets on Gold. *Advanced Materials Interfaces*, **2021**, 8, 2101182	4.6	1
193	Tetrairon(II) extended metal atom chains as single-molecule magnets. *Dalton Transactions*, **2021**, 50, 7571-7589	4.3	4
192	Unbiased evaluation of zero-field splitting D parameter in high-spin molecules from DC magnetic data with incomplete powder averaging. *Journal of Magnetism and Magnetic Materials*, **2020**, 510, 166713	2.8	2
191	Quantum dynamics of a single molecule magnet on superconducting Pb(111). *Nature Materials*, **2020**, 19, 546-551	27	24
190	The Origin of Magnetic Anisotropy and Single-Molecule Magnet Behavior in Chromium(II)-Based Extended Metal Atom Chains. *Inorganic Chemistry*, **2020**, 59, 1763-1777	5.1	12
189	S-Functionalized Tripods with Monomethylene Spacers: Routes to Tetrairon(III) Single-Molecule Magnets with Ultrashort Tethering Groups. *Magnetochemistry*, **2020**, 6, 55	3.1	1
188	Propeller-Shaped Fe4 and Fe3M Molecular Nanomagnets: A Journey from Crystals to Addressable Single Molecules. *European Journal of Inorganic Chemistry*, **2019**, 2019, 552-568	2.3	15
187	A Pseudo-Octahedral Cobalt(II) Complex with Bispyrazolylpyridine Ligands Acting as a Zero-Field Single-Molecule Magnet with Easy Axis Anisotropy. *Chemistry - A European Journal*, **2018**, 24, 8857-8868	4.8	40
186	Filling the Gap in Extended Metal Atom Chains: Ferromagnetic Interactions in a Tetrairon(II) String Supported by Oligo-α-pyridylamido Ligands. *Inorganic Chemistry*, **2018**, 57, 5438-5448	5.1	9
185	Mössbauer spectroscopy of a monolayer of single molecule magnets. *Nature Communications*, **2018**, 9, 480	17.4	25
184	Sev and pcu topological nets in one-pot newly synthesized mixed-ligand imidazole-containing Cu(II) coordination frameworks: Crystal structure, intermolecular interactions, theoretical calculations, magnetic behavior and biological activity. *Inorganica Chimica Acta*, **2018**, 478, 59-70	2.7	5
183	Solution structure of a pentachromium(ii) single molecule magnet from DFT calculations, isotopic labelling and multinuclear NMR spectroscopy. *Dalton Transactions*, **2018**, 47, 585-595	4.3	6
182	Form Matters: Stable Helical Foldamers Preferentially Target Human Monocytes and Granulocytes. *ChemMedChem*, **2017**, 12, 337-345	3.7	2
181	Evidence of crystal packing effects in stabilizing high or low spin states of iron(ii) complexes with functionalized 2,6-bis(pyrazol-1-yl)pyridine ligands. *Dalton Transactions*, **2017**, 46, 4075-4085	4.3	24
180	Structure, magnetic properties and thermal sublimation of fluorinated Fe 4 Single-Molecule Magnets. *Polyhedron*, **2017**, 128, 9-17	2.7	6

179	Spintronics: The molecular way. *Nature Materials*, **2017**, 16, 505-506	27	87
178	Synthesis, structural characterization and biological evaluation of 4'-C-methyl- and phenyl-dioxolane pyrimidine and purine nucleosides. *Archives of Pharmacal Research*, **2017**, 40, 537-549	6.1	1
177	Diamondoid Structure in a Metal-Organic Framework of Fe4 Single-Molecule Magnets. *Chemistry - A European Journal*, **2016**, 22, 13705-14	4.8	15
176	Thin Layers of Molecular Magnets **2016**, 187-229		2
175	The classical and quantum dynamics of molecular spins on graphene. *Nature Materials*, **2016**, 15, 164-8	27	93
174	Torque-Detected Electron Spin Resonance as a Tool to Investigate Magnetic Anisotropy in Molecular Nanomagnets. *Magnetochemistry*, **2016**, 2, 25	3.1	4
173	Expansion of a Discrete [3 □] Mn9 Metallogrid to a μ-Carboxylato-Bridged Polymeric {Mn11}n Assembly. *European Journal of Inorganic Chemistry*, **2016**, 2016, 2993-2999	2.3	5
172	The Challenge of Thermal Deposition of Coordination Compounds: Insight into the Case of an Fe4 Single Molecule Magnet. *Chemistry of Materials*, **2016**, 28, 7693-7702	9.6	10
171	Probing transverse magnetic anisotropy by electronic transport through a single-molecule magnet. *Physical Review B*, **2015**, 91,	3.3	21
170	A New and Versatile Synthesis of 1,3-Dioxan-5-yl-pyrimidine and Purine Nucleoside Analogues. *Synlett*, **2015**, 26, 625-630	2.2	
169	Magnetic bistability in a submonolayer of sublimated Fe4 single-molecule magnets. *Nano Letters*, **2015**, 15, 535-41	11.5	57
168	Experimental and Theoretical Studies on the Magnetic Anisotropy in Lanthanide(III)-Centered Fe3 Ln Propellers. *Chemistry - A European Journal*, **2015**, 21, 12171-80	4.8	19
167	Redox-Controlled Exchange Bias in a Supramolecular Chain of Fe4 Single-Molecule Magnets. *Angewandte Chemie - International Edition*, **2015**, 54, 8777-82	16.4	31
166	Chiral Gold Nanoparticles Decorated with Pseudopeptides. *European Journal of Organic Chemistry*, **2015**, 2015, 6243-6248	3.2	6
165	Redox-Controlled Exchange Bias in a Supramolecular Chain of Fe4 Single-Molecule Magnets. *Angewandte Chemie*, **2015**, 127, 8901-8906	3.6	11
164	Magnetic fingerprint of individual Fe4 molecular magnets under compression by a scanning tunnelling microscope. *Nature Communications*, **2015**, 6, 8216	17.4	46
163	Crystal structure of a new homochiral one-dimensional zincophosphate containing l-me-thio-nine. *Acta Crystallographica Section E: Crystallographic Communications*, **2015**, 71, 832-5	0.7	
162	Franck-Condon blockade in a single-molecule transistor. *Nano Letters*, **2014**, 14, 3191-6	11.5	82

161	Mapping of single-site magnetic anisotropy tensors in weakly coupled spin clusters by torque magnetometry. *Physical Chemistry Chemical Physics*, **2014**, 16, 17220-30	3.6	20
160	Single-Molecule Magnets on Surfaces. *Structure and Bonding*, **2014**, 293-330	0.9	12
159	Adding remnant magnetization and anisotropic exchange to propeller-like single-molecule magnets through chemical design. *Chemistry - A European Journal*, **2014**, 20, 13681-91	4.8	15
158	-Hybrid foldamers with 1,2,3-triazole rings: order versus disorder. *Journal of Organic Chemistry*, **2014**, 79, 5958-69	4.2	13
157	Tetrairon(III) single-molecule magnet monolayers on gold: insights from ToF-SIMS and isotopic labeling. *Langmuir*, **2014**, 30, 8645-9	4	17
156	Synthesis, enantiomeric separation and docking studies of spiropiperidine analogues as ligands of the nociceptin/orphanin FQ receptor. *MedChemComm*, **2014**, 5, 973	5	6
155	UHV deposition and characterization of a mononuclear iron(III) diketonate complex on Au(111). *Beilstein Journal of Nanotechnology*, **2014**, 5, 2139-48	3	6
154	Magnetic blocking in extended metal atom chains: a pentachromium(II) complex behaving as a single-molecule magnet. *Chemical Communications*, **2014**, 50, 15191-4	5.8	33
153	Spin-lattice relaxation via quantum tunneling in diluted crystals of Fe4 single-molecule magnets. *Physical Review B*, **2014**, 89,	3.3	8
152	Arylsulfonyl Groups: The Best Cyclization Auxiliaries for the Preparation of ATRC Lactams can be Acidolytically Removed. *European Journal of Organic Chemistry*, **2014**, 2014, 6734-6745	3.2	14
151	Grafting single molecule magnets on gold nanoparticles. *Small*, **2014**, 10, 323-9	11	26
150	On-surface magnetometry: the evaluation of superexchange coupling constants in surface-wired single-molecule magnets. *Chemistry - A European Journal*, **2013**, 19, 16902-5	4.8	17
149	A new approach to the synthesis of heteronuclear propeller-like single molecule magnets. *Dalton Transactions*, **2013**, 42, 4416-26	4.3	25
148	Origin and spectroscopic determination of trigonal anisotropy in a heteronuclear single-molecule magnet. *Physical Review B*, **2013**, 88,	3.3	24
147	Enhanced vapor-phase processing in fluorinated Fe4 single-molecule magnets. *Inorganic Chemistry*, **2013**, 52, 5897-905	5.1	24
146	Magnetic bistability of isolated giant-spin centers in a diamagnetic crystalline matrix. *Chemistry - A European Journal*, **2012**, 18, 3390-8	4.8	38
145	CuCl-catalyzed radical cyclisation of N- perchloroacyl-ketene-N,S-acetals: a new way to prepare disubstituted maleic anhydrides. *Tetrahedron*, **2012**, 68, 5863-5881	2.4	15
144	Direct observation of magnetic anisotropy in an individual Fe4 single-molecule magnet. *Physical Review Letters*, **2012**, 109, 147203	7.4	72

143	Torque-detected ESR of a tetrairon(III) single molecule magnet. *Journal of Magnetic Resonance*, **2012**, 223, 55-60	3	9
142	Magnetic and optical bistability in tetrairon(III) single molecule magnets functionalized with azobenzene groups. *Dalton Transactions*, **2012**, 41, 8368-78	4.3	22
141	One-step covalent grafting of Fe4 single-molecule magnet monolayers on gold. *Chemical Communications*, **2011**, 47, 1467-9	5.8	38
140	Chemical strategies and characterization tools for the organization of single molecule magnets on surfaces. *Chemical Society Reviews*, **2011**, 40, 3076-91	58.5	220
139	High-spin and magnetic anisotropy signatures in three-terminal transport through a single molecule. *Synthetic Metals*, **2011**, 161, 591-597	3.6	16
138	A novel tripodal ligand with organosulfur alligator clips for deposition of tetrairon(III) single-molecule magnets on gold. *Polyhedron*, **2011**, 30, 2960-2964	2.7	1
137	Spin structure of surface-supported single-molecule magnets from isomorphous replacement and X-ray magnetic circular dichroism. *Inorganic Chemistry*, **2011**, 50, 2911-7	5.1	42
136	Quantum tunnelling of the magnetization in a monolayer of oriented single-molecule magnets. *Nature*, **2010**, 468, 417-21	50.4	515
135	XAS and XMCD of Single Molecule Magnets. *Springer Proceedings in Physics*, **2010**, 279-311	0.2	10
134	Deposition of intact tetrairon(III) single molecule magnet monolayers on gold: an STM, XPS, and ToF-SIMS investigation. *Journal of Materials Chemistry*, **2010**, 20, 187-194		34
133	XPS, FTIR-ATR, and AFM Structural Study of Silicon-Grafted Triol Monolayers for Controlled Anchoring of Single Molecule Magnets *Journal of Physical Chemistry C*, **2010**, 114, 20696-20701	3.8	2
132	Thermodynamics of host guest interactions between methylpyridinium salts and phosphonate cavitands. *Supramolecular Chemistry*, **2010**, 22, 768-775	1.8	30
131	Electric field controlled magnetic anisotropy in a single molecule. *Nano Letters*, **2010**, 10, 3307-11	11.5	163
130	Introduction of ester and amido functions in tetrairon(III) single-molecule magnets: synthesis and physical characterization. *Dalton Transactions*, **2010**, 39, 5851-9	4.3	14
129	Slow magnetic relaxation from hard-axis metal ions in tetranuclear single-molecule magnets. *Chemistry - A European Journal*, **2010**, 16, 10482-93	4.8	49
128	Muon spin relaxation investigation of tetranuclear iron(III) Fe4(OCH3)6(dpm)6 molecular cluster. *Physical Review B*, **2009**, 80,	3.3	3
127	X-Ray Magnetic Circular Dichroism Picks out Single-Molecule Magnets Suitable for Nanodevices. *Advanced Materials*, **2009**, 21, 167-171	24	75
126	Single-Molecule-Magnet Carbon-Nanotube Hybrids. *Angewandte Chemie*, **2009**, 121, 760-764	3.6	21

125	Magnetostructural correlations in Tetrairon(III) single-molecule magnets. *Chemistry - A European Journal*, **2009**, 15, 6456-67	4.8	90
124	Single-molecule-magnet carbon-nanotube hybrids. *Angewandte Chemie - International Edition*, **2009**, 48, 746-50	16.4	78
123	Thermal deposition of intact tetrairon(III) single-molecule magnets in high-vacuum conditions. *Small*, **2009**, 5, 1460-6	11	55
122	Magnetic memory of a single-molecule quantum magnet wired to a gold surface. *Nature Materials*, **2009**, 8, 194-7	27	854
121	One pot grafting of tetrairon(III) single molecule magnets on silicon. *Polyhedron*, **2009**, 28, 1758-1763	2.7	12
120	A novel class of tetrairon(III) single-molecule magnets with graphene-binding groups. *Polyhedron*, **2009**, 28, 2029-2035	2.7	10
119	XMCD of a single layer of single molecule magnets. *European Physical Journal: Special Topics*, **2009**, 169, 167-173	2.3	6
118	Organizing and addressing magnetic molecules. *Inorganic Chemistry*, **2009**, 48, 3408-19	5.1	110
117	Molecular magnetism, status and perspectives. *Solid State Sciences*, **2008**, 10, 1701-1709	3.4	68
116	Novel chiral calix[4]arenes by direct asymmetric epoxidation reaction. *Journal of Organic Chemistry*, **2008**, 73, 4233-6	4.2	22
115	Site-Specific Anchoring of Tetrairon(III) Single Molecule Magnets on Functionalized Si(100) Surfaces. *Chemistry of Materials*, **2008**, 20, 2405-2411	9.6	40
114	XAS and XMCD investigation of Mn12 monolayers on gold. *Chemistry - A European Journal*, **2008**, 14, 7530-5	4.8	115
113	Slow quantum relaxation in a tetrairon(III) single-molecule magnet. *Inorganica Chimica Acta*, **2008**, 361, 3481-3488	2.7	19
112	Magneto-optical studies on the molecular cluster Fe4 in different polymeric environments. *Inorganica Chimica Acta*, **2008**, 361, 3970-3974	2.7	6
111	Solvent effects on the adsorption and self-organization of Mn12 on Au(111). *Langmuir*, **2007**, 23, 11836-43	4	34
110	The origin of transverse anisotropy in axially symmetric single molecule magnets. *Journal of the American Chemical Society*, **2007**, 129, 10754-62	16.4	87
109	Magneto-Optical Investigations of Nanostructured Materials Based on Single-Molecule Magnets Monitor Strong Environmental Effects. *Advanced Materials*, **2007**, 19, 3906-3911	24	76
108	New Single-Molecule Magnets by Site-Specific Substitution: Incorporation of "Alligator Clips" into Fe4 Complexes. *European Journal of Inorganic Chemistry*, **2007**, 2007, 4145-4152	2.3	46

107	Self-assembling of Mn12 molecular nanomagnets on FIB-patterned Au dot matrix. *Surface Science*, **2007**, 601, 2618-2622	1.8	15
106	New Cyclosiloxanolate Cluster Complexes of Transition Metals. *Journal of Cluster Science*, **2007**, 18, 217-236	3	5
105	Electron transport through single Mn12 molecular magnets. *Physical Review Letters*, **2006**, 96, 206801	7.4	418
104	Tuning anisotropy barriers in a family of tetrairon(III) single-molecule magnets with an S = 5 ground state. *Journal of the American Chemical Society*, **2006**, 128, 4742-55	16.4	191
103	EPR of molecular nanomagnets. *Coordination Chemistry Reviews*, **2006**, 250, 1514-1529	23.2	93
102	Single-ion and molecular contributions to the zero-field splitting in an iron(III)-oxo dimer studied by single crystal W-band EPR. *Journal of Magnetic Resonance*, **2006**, 179, 29-37	3	31
101	Valence band resonant photoemission of Mn12 single molecules grafted on Au(111) surface. *Surface Science*, **2006**, 600, 4185-4189	1.8	34
100	Isolated single-molecule magnets on native gold. *Chemical Communications*, **2005**, 1640-2	5.8	84
99	Advances in single-molecule magnet surface patterning through microcontact printing. *Nano Letters*, **2005**, 5, 1435-8	11.5	71
98	Fe57 NMR and relaxation by strong collision in the tunneling regime in the molecular nanomagnet Fe8. *Physical Review B*, **2005**, 71,	3.3	13
97	7Li nuclear magnetic resonance in the hexairon(III) antiferromagnetic molecular ring Fe6:Li. *Journal of Applied Physics*, **2004**, 95, 6879-6881	2.5	1
96	Scaling behavior of the proton spin-lattice relaxation rate in antiferromagnetic molecular rings. *Physical Review B*, **2004**, 70,	3.3	48
95	Intra- and inter-multiplet magnetic excitations in a tetrairon(III) molecular cluster. *Physical Review B* , **2004**, 70,	3.3	26
94	Energy-barrier enhancement by ligand substitution in tetrairon(III) single-molecule magnets. *Angewandte Chemie - International Edition*, **2004**, 43, 1136-9	16.4	124
93	Energy-Barrier Enhancement by Ligand Substitution in Tetrairon(III) Single-Molecule Magnets. *Angewandte Chemie*, **2004**, 116, 1156-1159	3.6	17
92	Spin dynamics at level crossing in molecular AF rings probed by NMR. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 1042-1047	2.8	5
91	57Fe NMR in oriented powder of Fe8 in zero and applied field. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E771-E772	2.8	5
90	Inter-multiplet transitions in the Fe4 magnetic cluster. *Journal of Magnetism and Magnetic Materials* , **2004**, 272-276, E777-E778	2.8	1

89	Tuneable energy barriers in tetrairon(III) single-molecule magnets. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E749-E751	2.8	4
88	Organized single-molecule magnets: direct observation of new Mn12 derivatives on gold. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E725-E726	2.8	4
87	Site-specific ligation of anthracene-1,8-dicarboxylates to an Mn12 core: a route to the controlled functionalisation of single-molecule magnets. *Chemical Communications*, **2004**, 2604-5	5.8	34
86	Self-assembly of high-nuclearity metal clusters: programmed expansion of a metallasiloxane cage to an octacopper(II) cluster. *Inorganic Chemistry*, **2004**, 43, 4540-2	5.1	19
85	High Field Magnetization Process in a Dodecanuclear Fe(III) Ring Cluster. *Journal of the Physical Society of Japan*, **2003**, 72, 1178-1183	1.5	11
84	Microscopic spin Hamiltonian of a Cr8 antiferromagnetic ring from inelastic neutron scattering. *Physical Review B*, **2003**, 67,	3.3	112
83	Direct Observation of Single-Molecule Magnets Organized on Gold Surfaces. *Angewandte Chemie*, **2003**, 115, 1683-1686	3.6	20
82	Direct observation of single-molecule magnets organized on gold surfaces. *Angewandte Chemie - International Edition*, **2003**, 42, 1645-8	16.4	173
81	Quantum level structure of molecular magnets, Fe12 and V15. *Physica B: Condensed Matter*, **2003**, 329-333, 1138-1139	2.8	7
80	Rational design of large-spin clusters based on the hexacopper(II) siloxanolate core. *Comptes Rendus Chimie*, **2003**, 6, 645-656	2.7	13
79	Titelbild: Angew. Chem. 23/2002. *Angewandte Chemie*, **2002**, 114, 4533-4533	3.6	
78	Towards Stepwise Cluster Assembly: A Decacopper(II) Complex Obtained by Controlled Expansion of a Metallasiloxane Cage. *Angewandte Chemie*, **2002**, 114, 4699-4702	3.6	1
77	Magnetic anisotropy of the antiferromagnetic ring [Cr8F8Piv16]. *Chemistry - A European Journal*, **2002**, 8, 277-85	4.8	180
76	Cover Picture: Angew. Chem. Int. Ed. 23/2002. *Angewandte Chemie - International Edition*, **2002**, 41, 4355-4355	16.4	
75	Towards stepwise cluster assembly: a decacopper(II) complex obtained by controlled expansion of a metallasiloxane cage. *Angewandte Chemie - International Edition*, **2002**, 41, 4517-20	16.4	22
74	Intra- and inter-multiplet neutron transitions in an Fe4 magnetic cluster. *Applied Physics A: Materials Science and Processing*, **2002**, 74, s929-s931	2.6	3
73	Disorder effects in Mn(12)-acetate at 83 K. *Acta Crystallographica Section C: Crystal Structure Communications*, **2002**, 58, m371-3		29
72	Post-synthetic isotopic labeling of an azamacrocyclic ligand. *Tetrahedron Letters*, **2002**, 43, 771-774	2	10

71	Observation of magnetic level repulsion in Fe6:Li molecular antiferromagnetic rings. *Physical Review Letters*, **2002**, 88, 167201	7.4	50
70	1H nuclear magnetic resonance and spin dynamics in the tetranuclear iron(III) cluster {Fe4}. *Journal of Applied Physics*, **2002**, 91, 7173	2.5	12
69	Origin of second-order transverse magnetic anisotropy in Mn12-acetate. *Physical Review Letters*, **2002**, 89, 257201	7.4	148
68	Single-ion versus dipolar origin of the magnetic anisotropy in iron(III)-oxo clusters: a case study. *Chemistry - A European Journal*, **2001**, 7, 1796-807	4.8	54
67	New experimental techniques for magnetic anisotropy in molecular materials. *Coordination Chemistry Reviews*, **2001**, 219-221, 573-604	23.2	63
66	Isotopic effect on the quantum tunneling of the magnetization of molecular nanomagnets. *Journal of Magnetism and Magnetic Materials*, **2001**, 226-230, 1954-1960	2.8	8
65	Theory of NMR in the molecular ring Fe10. *Journal of Magnetism and Magnetic Materials*, **2001**, 226-230, 2009-2011	2.8	
64	High-field torque magnetometry for investigating magnetic anisotropy in Mn12-acetate nanomagnets. *Journal of Magnetism and Magnetic Materials*, **2001**, 226-230, 2012-2014	2.8	6
63	Neutron spectroscopy within the S=5 ground multiplet and low-temperature heat capacity in an Fe4 magnetic cluster. *Physical Review B*, **2001**, 64,	3.3	31
62	[Fe(OCH3)2(dbm)]12: synthesis, solid-state characterization and reactivity of a new molecular ferric wheel. *Inorganica Chimica Acta*, **2000**, 297, 291-300	2.7	49
61	Low-temperature specific heat of Li : Fe6 molecular magnets. *Physica B: Condensed Matter*, **2000**, 284-288, 1233-1234	2.8	5
60	Magnetic anisotropy of Mn12-acetate nanomagnets from high-field torque magnetometry. *Chemical Physics Letters*, **2000**, 322, 477-482	2.5	26
59	Low temperature specific heat of molecular rings: a study on the effects of the internal guest substitution and on the lattice contribution. *European Physical Journal B*, **2000**, 15, 633-639	1.2	26
58	Nonadiabatic Landau-Zener tunneling in Fe 8 molecular nanomagnets. *Europhysics Letters*, **2000**, 50, 552-558	1.8	144
57	Magnetic and structural properties of an octanuclear Cu(II) S=1/2 mesoscopic ring: Susceptibility and NMR measurements. *Physical Review B*, **2000**, 61, 6839-6847	3.3	20
56	Landau Zener method to study quantum phase interference of Fe8 molecular nanomagnets (invited). *Journal of Applied Physics*, **2000**, 87, 5481-5486	2.5	80
55	Effects of nuclear spins on the quantum relaxation of the magnetization for the molecular nanomagnet Fe8. *Physical Review Letters*, **2000**, 84, 2965-8	7.4	142
54	Single-molecule magnets based on iron(III)oxo clusters. *Chemical Communications*, **2000**, 725-732	5.8	325

53	Low-temperature theory of proton NMR in the molecular antiferromagnetic ring Fe10. *Europhysics Letters*, **2000**, 50, 88-93	1.6	18
52	Reaction of N,N?-dimethylimidazolidine-2-selone (4) with TCNQ. Characterisation and X-ray crystal structure of the mixed-valence compound 4[(TCNQ)1.167. *Journal of Materials Chemistry*, **2000**, 10, 1281-1286		6
51	Low-temperature specific heat of Fe6 and Fe10 molecular magnets. *Physical Review B*, **1999**, 60, 1161-1166	3.3	33
50	Preparation and molecular structures of benzyl- and phenylacetylcobalt carbonyls. *Journal of Organometallic Chemistry*, **1999**, 586, 61-69	2.3	16
49	A tetracopper(II) complex containing two oxamidato-dicopper(II) units linked by croconate anions. *Acta Crystallographica Section C: Crystal Structure Communications*, **1999**, 55, 2043-2045		12
48	The molecular approach to nanoscale magnetism. *Journal of Magnetism and Magnetic Materials*, **1999**, 200, 182-201	2.8	185
47	Struktur und magnetische Eigenschaften eines zwölfkernigen Eisen(III)-Clusters mit verdrilltem Ring. *Angewandte Chemie*, **1999**, 111, 1372-1374	3.6	19
46	Mangan(III)-formiat: ein dreidimensionales Netzwerk, das Kohlendioxidmoleküle einschließt. *Angewandte Chemie*, **1999**, 111, 1897-1899	3.6	6
45	Feinabstimmung der magnetischen Anisotropie von Hexaeisen(III)-Ringen durch Wirt-Gast-Wechselwirkungen: eine Untersuchung mit Drehmomentmagnetometrie bei hohen Feldstärken. *Angewandte Chemie*, **1999**, 111, 2409-2411	3.6	20
44	Structure and Magnetic Properties of a Dodecanuclear Twisted-Ring Iron(III) Cluster. *Angewandte Chemie - International Edition*, **1999**, 38, 1295-1297	16.4	74
43	Manganese(III) Formate: A Three-Dimensional Framework That Traps Carbon Dioxide Molecules. *Angewandte Chemie - International Edition*, **1999**, 38, 1780-1782	16.4	70
42	Tuning of Magnetic Anisotropy in Hexairon(III) Rings by Host–Guest Interactions: An Investigation by High-Field Torque Magnetometry. *Angewandte Chemie - International Edition*, **1999**, 38, 2264-2266	16.4	67
41	Single-Molecule Magnet Behavior of a Tetranuclear Iron(III) Complex. The Origin of Slow Magnetic Relaxation in Iron(III) Clusters. *Journal of the American Chemical Society*, **1999**, 121, 5302-5310	16.4	408
40	Magnetic anisotropy of Fe6 and Fe10 molecular rings by cantilever torque magnetometry in high magnetic fields. *Physical Review B*, **1999**, 60, 12177-12183	3.3	68
39	Molecular Magnetic Clusters: a Bridge Between Molecules and Classical Magnets **1999**, 369-388		1
38	Bimetallic cyclooligosiloxanolate complexes of copper and nickel. *Inorganica Chimica Acta*, **1998**, 280, 282-287	2.7	15
37	Magnetic and electronic properties of hexairon(III) nanocluster with cyclic structure: a Mössbauer study **1998**, 116, 215-224		7
36	Heterobimetallic Cyclosiloxanolate Sandwich Clusters: Na[η6-cyclo(PhSiO2)6]2[Fe(OR)]2Ni4(μ3-Cl) (R = H, Me). *Journal of Cluster Science*, **1998**, 9, 295-319	3	13

35	Structure and Magnetic Properties of a Mixed-Valence Heptanuclear Manganese Cluster. *Inorganic Chemistry*, **1998**, 37, 3759-3766	5.1	91
34	A Ferromagnetic Ring of Six Manganese(III) Ions with a S = 12 Ground State. *Inorganic Chemistry*, **1998**, 37, 1430-1431	5.1	82
33	Valence Tautomerism in a Cobalt Complex of a Schiff Base Diquinone Ligand. *Inorganic Chemistry*, **1998**, 37, 3419-3421	5.1	93
32	Nuclear-spin relaxation in magnetic rings. *Physical Review B*, **1998**, 57, 1115-1123	3.3	25
31	Comparison of the spin dynamics in different types of molecular magnetic rings from 1H NMR. *Journal of Applied Physics*, **1998**, 83, 6946-6948	2.5	30
30	REACTION BETWEEN CuCl2 AND 2-S-METHYL-5,5-DIMETHYLIMIDAZOLINE-4-THIONE X-Ray Crystal Structure of catena-Chloro(□N(1), S(4) (2-S-Methyl-5,5-Dimethylimidazoline-4-Thione)) Copper(I). *Journal of Coordination Chemistry*, **1998**, 44, 71-79	1.6	2
29	Spin dynamics in mesoscopic size magnetic systems:A HtNMR1 study in rings of iron (III) ions. *Physical Review B*, **1997**, 55, 14341-14349	3.3	83
28	Modulated Magnetic Coupling in Alkoxoiron(III) Rings by Host□Guest Interactions with Alkali Metal Cations. *Inorganic Chemistry*, **1997**, 36, 6443-6446	5.1	78
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