

Andrea Cornia

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2281987/andrea-cornia-publications-by-citations.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Magnetic memory of a single-molecule quantum magnet wired to a gold surface. <i>Nature Materials</i> , 2009 , 8, 194-7	27	854
195	Quantum tunnelling of the magnetization in a monolayer of oriented single-molecule magnets. <i>Nature</i> , 2010 , 468, 417-21	50.4	515
194	Electron transport through single Mn ₁₂ molecular magnets. <i>Physical Review Letters</i> , 2006 , 96, 206801	7.4	418
193	Single-Molecule Magnet Behavior of a Tetranuclear Iron(III) Complex. The Origin of Slow Magnetic Relaxation in Iron(III) Clusters. <i>Journal of the American Chemical Society</i> , 1999 , 121, 5302-5310	16.4	408
192	Single-molecule magnets based on iron(III)oxo clusters. <i>Chemical Communications</i> , 2000 , 725-732	5.8	325
191	Chemical strategies and characterization tools for the organization of single molecule magnets on surfaces. <i>Chemical Society Reviews</i> , 2011 , 40, 3076-91	58.5	220
190	Tuning anisotropy barriers in a family of tetrairon(III) single-molecule magnets with an S = 5 ground state. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4742-55	16.4	191
189	The molecular approach to nanoscale magnetism. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 200, 182-201	2.8	185
188	Magnetic anisotropy of the antiferromagnetic ring [Cr ₈ F ₈ Piv ₁₆]. <i>Chemistry - A European Journal</i> , 2002 , 8, 277-85	4.8	180
187	Direct observation of single-molecule magnets organized on gold surfaces. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1645-8	16.4	173
186	Electric field controlled magnetic anisotropy in a single molecule. <i>Nano Letters</i> , 2010 , 10, 3307-11	11.5	163
185	A Cyclic Octadecairon(III) Complex, the Molecular 18-Wheeler. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2774-2776		157
184	Origin of second-order transverse magnetic anisotropy in Mn ₁₂ -acetate. <i>Physical Review Letters</i> , 2002 , 89, 257201	7.4	148
183	Nonadiabatic Landau-Zener tunneling in Fe ₈ molecular nanomagnets. <i>Europhysics Letters</i> , 2000 , 50, 552-558	5.8	144
182	Effects of nuclear spins on the quantum relaxation of the magnetization for the molecular nanomagnet Fe ₈ . <i>Physical Review Letters</i> , 2000 , 84, 2965-8	7.4	142
181	Synthesis, Crystal Structure, Magnetism, and Magnetic Anisotropy of Cyclic Clusters Comprising six Iron(III) Ions and Entrapping Alkaline Ions. <i>Chemistry - A European Journal</i> , 1996 , 2, 1379-1387	4.8	136
180	Electronic Structure of Manganese(III) Compounds from High-Frequency EPR Spectra. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2329-2331		128

179	Energy-barrier enhancement by ligand substitution in tetrairon(III) single-molecule magnets. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 1136-9	16.4	124
178	A Cyclic Hexairon(III) Complex with an Octahedrally Coordinated Sodium Ion at the Center, an Example of the [12]Metallacrown-6 Structure Type. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 467-469		116
177	XAS and XMCD investigation of Mn12 monolayers on gold. <i>Chemistry - A European Journal</i> , 2008 , 14, 7530-5	4.5	115
176	Microscopic spin Hamiltonian of a Cr8 antiferromagnetic ring from inelastic neutron scattering. <i>Physical Review B</i> , 2003 , 67,	3.3	112
175	Magnetism of large iron-oxo clusters. <i>Chemical Society Reviews</i> , 1996 , 25, 101	58.5	112
174	Synthesis, crystal structures and magnetic characterization of four μ -diketonate-alkoxide iron(III) dimers. Dependence of the magnetic properties on geometrical and electronic parameters. <i>Inorganica Chimica Acta</i> , 1997 , 262, 123-132	2.7	111
173	Organizing and addressing magnetic molecules. <i>Inorganic Chemistry</i> , 2009 , 48, 3408-19	5.1	110
172	The classical and quantum dynamics of molecular spins on graphene. <i>Nature Materials</i> , 2016 , 15, 164-8	27	93
171	EPR of molecular nanomagnets. <i>Coordination Chemistry Reviews</i> , 2006 , 250, 1514-1529	23.2	93
170	Valence Tautomerism in a Cobalt Complex of a Schiff Base Diquinone Ligand. <i>Inorganic Chemistry</i> , 1998 , 37, 3419-3421	5.1	93
169	Structure and Magnetic Properties of a Mixed-Valence Heptanuclear Manganese Cluster. <i>Inorganic Chemistry</i> , 1998 , 37, 3759-3766	5.1	91
168	Magnetostructural correlations in Tetrairon(III) single-molecule magnets. <i>Chemistry - A European Journal</i> , 2009 , 15, 6456-67	4.8	90
167	Spintronics: The molecular way. <i>Nature Materials</i> , 2017 , 16, 505-506	27	87
166	The origin of transverse anisotropy in axially symmetric single molecule magnets. <i>Journal of the American Chemical Society</i> , 2007 , 129, 10754-62	16.4	87
165	Isolated single-molecule magnets on native gold. <i>Chemical Communications</i> , 2005 , 1640-2	5.8	84
164	Spin dynamics in mesoscopic size magnetic systems: A HtNMR1 study in rings of iron (III) ions. <i>Physical Review B</i> , 1997 , 55, 14341-14349	3.3	83
163	Franck-Condon blockade in a single-molecule transistor. <i>Nano Letters</i> , 2014 , 14, 3191-6	11.5	82
162	A Ferromagnetic Ring of Six Manganese(III) Ions with a S = 12 Ground State. <i>Inorganic Chemistry</i> , 1998 , 37, 1430-1431	5.1	82

161	Landau-Zener method to study quantum phase interference of Fe ₈ molecular nanomagnets (invited). <i>Journal of Applied Physics</i> , 2000 , 87, 5481-5486	2.5	80
160	Single-molecule-magnet carbon-nanotube hybrids. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 746-50	16.4	78
159	Modulated Magnetic Coupling in Alkoxoiron(III) Rings by Host-Guest Interactions with Alkali Metal Cations. <i>Inorganic Chemistry</i> , 1997 , 36, 6443-6446	5.1	78
158	Molecule-Based Magnets: Ferro- and Antiferromagnetic Interactions in Copper(II)-Polyorganosiloxanolate Clusters. <i>Inorganic Chemistry</i> , 1996 , 35, 4427-4431	5.1	78
157	Preparation of Novel Materials Using SMMs	133-161	77
156	Magneto-Optical Investigations of Nanostructured Materials Based on Single-Molecule Magnets Monitor Strong Environmental Effects. <i>Advanced Materials</i> , 2007 , 19, 3906-3911	24	76
155	X-Ray Magnetic Circular Dichroism Picks out Single-Molecule Magnets Suitable for Nanodevices. <i>Advanced Materials</i> , 2009 , 21, 167-171	24	75
154	Structure and Magnetic Properties of a Dodecanuclear Twisted-Ring Iron(III) Cluster. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 1295-1297	16.4	74
153	Direct observation of magnetic anisotropy in an individual Fe ₄ single-molecule magnet. <i>Physical Review Letters</i> , 2012 , 109, 147203	7.4	72
152	Advances in single-molecule magnet surface patterning through microcontact printing. <i>Nano Letters</i> , 2005 , 5, 1435-8	11.5	71
151	Manganese(III) Formate: A Three-Dimensional Framework That Traps Carbon Dioxide Molecules. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 1780-1782	16.4	70
150	Molecular magnetism, status and perspectives. <i>Solid State Sciences</i> , 2008 , 10, 1701-1709	3.4	68
149	Magnetic anisotropy of Fe ₆ and Fe ₁₀ molecular rings by cantilever torque magnetometry in high magnetic fields. <i>Physical Review B</i> , 1999 , 60, 12177-12183	3.3	68
148	Tuning of Magnetic Anisotropy in Hexairon(III) Rings by Host-Guest Interactions: An Investigation by High-Field Torque Magnetometry. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2264-2266	16.4	67
147	New experimental techniques for magnetic anisotropy in molecular materials. <i>Coordination Chemistry Reviews</i> , 2001 , 219-221, 573-604	23.2	63
146	Ein cyclischer Octadeca-eisen(III)-Komplex: ein molekulares Achtzehner-Rad. <i>Angewandte Chemie</i> , 1997 , 109, 2917-2919	3.6	59
145	Magnetic bistability in a submonolayer of sublimated Fe ₄ single-molecule magnets. <i>Nano Letters</i> , 2015 , 15, 535-41	11.5	57
144	Thermal deposition of intact tetrairon(III) single-molecule magnets in high-vacuum conditions. <i>Small</i> , 2009 , 5, 1460-6	11	55

143	Single-ion versus dipolar origin of the magnetic anisotropy in iron(III)-oxo clusters: a case study. <i>Chemistry - A European Journal</i> , 2001 , 7, 1796-807	4.8	54
142	Metal Binding of Polyalcohols. 4. Structure and Magnetism of the Hexanuclear, μ_6 -Oxo-Centered $[\text{OFe}(6)(\text{H}(-)(3)\text{thme})(3)(\text{OCH}(3))(3)\text{Cl}(6)](2)(-)$ (thme = 1,1,1-Tris(hydroxymethyl)ethane). <i>Inorganic Chemistry</i> , 1996 , 35, 4414-4419	5.1	52
141	Polyiron(III)-Alkoxo Clusters: a Novel Trinuclear Complex and Its Relevance to the Extended Lattices of Iron Oxides and Hydroxides. <i>Inorganic Chemistry</i> , 1995 , 34, 4660-4668	5.1	51
140	Observation of magnetic level repulsion in Fe_6Li molecular antiferromagnetic rings. <i>Physical Review Letters</i> , 2002 , 88, 167201	7.4	50
139	Slow magnetic relaxation from hard-axis metal ions in tetranuclear single-molecule magnets. <i>Chemistry - A European Journal</i> , 2010 , 16, 10482-93	4.8	49
138	$[\text{Fe}(\text{OCH}_3)_2(\text{dbm})]_{12}$: synthesis, solid-state characterization and reactivity of a new molecular ferric wheel. <i>Inorganica Chimica Acta</i> , 2000 , 297, 291-300	2.7	49
137	Scaling behavior of the proton spin-lattice relaxation rate in antiferromagnetic molecular rings. <i>Physical Review B</i> , 2004 , 70,	3.3	48
136	Magnetic fingerprint of individual Fe_4 molecular magnets under compression by a scanning tunnelling microscope. <i>Nature Communications</i> , 2015 , 6, 8216	17.4	46
135	New Single-Molecule Magnets by Site-Specific Substitution: Incorporation of Alligator Clips into Fe_4 Complexes. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 4145-4152	2.3	46
134	Spin structure of surface-supported single-molecule magnets from isomorphous replacement and X-ray magnetic circular dichroism. <i>Inorganic Chemistry</i> , 2011 , 50, 2911-7	5.1	42
133	Molecule-Based Magnets: Ferro- and Antiferromagnetic Interactions in Nickel(II) Cyclohexasiloxanolate Sandwich Complexes. <i>Inorganic Chemistry</i> , 1995 , 34, 5383-5387	5.1	42
132	New perspectives in phosphonodithioate coordination chemistry. Synthesis and X-ray crystal structure of trans-bis-[O-ethyl-(4-methoxyphenyl)phosphonodithioato] nickel(II). <i>Inorganica Chimica Acta</i> , 1997 , 262, 81-84	2.7	41
131	A Pseudo-Octahedral Cobalt(II) Complex with Bispyrazolylpyridine Ligands Acting as a Zero-Field Single-Molecule Magnet with Easy Axis Anisotropy. <i>Chemistry - A European Journal</i> , 2018 , 24, 8857-8868	4.8	40
130	Site-Specific Anchoring of Tetrairon(III) Single Molecule Magnets on Functionalized Si(100) Surfaces. <i>Chemistry of Materials</i> , 2008 , 20, 2405-2411	9.6	40
129	Molecular structure and magnetic properties of copper(II), manganese(II) and iron(II) croconate tri-hydrate. <i>Inorganica Chimica Acta</i> , 1993 , 212, 87-94	2.7	40
128	Magnetic bistability of isolated giant-spin centers in a diamagnetic crystalline matrix. <i>Chemistry - A European Journal</i> , 2012 , 18, 3390-8	4.8	38
127	One-step covalent grafting of Fe_4 single-molecule magnet monolayers on gold. <i>Chemical Communications</i> , 2011 , 47, 1467-9	5.8	38
126	Structure and Magnetic Properties of a Decanuclear Oxoiron(III) Cluster: A Further Step to Understanding Iron Aggregation Processes. <i>Angewandte Chemie International Edition in English</i> , 1996 , 34, 2716-2718		35

125	Deposition of intact tetrairon(III) single molecule magnet monolayers on gold: an STM, XPS, and ToF-SIMS investigation. <i>Journal of Materials Chemistry</i> , 2010 , 20, 187-194		34
124	Solvent effects on the adsorption and self-organization of Mn ₁₂ on Au(111). <i>Langmuir</i> , 2007 , 23, 11836-43		34
123	Valence band resonant photoemission of Mn ₁₂ single molecules grafted on Au(111) surface. <i>Surface Science</i> , 2006 , 600, 4185-4189	1.8	34
122	Site-specific ligation of anthracene-1,8-dicarboxylates to an Mn ₁₂ core: a route to the controlled functionalisation of single-molecule magnets. <i>Chemical Communications</i> , 2004 , 2604-5	5.8	34
121	Magnetic properties of dodecanuclear mixed valence iron clusters. <i>Inorganica Chimica Acta</i> , 1996 , 243, 295-304	2.7	34
120	Magnetic blocking in extended metal atom chains: a pentachromium(II) complex behaving as a single-molecule magnet. <i>Chemical Communications</i> , 2014 , 50, 15191-4	5.8	33
119	Low-temperature specific heat of Fe ₆ and Fe ₁₀ molecular magnets. <i>Physical Review B</i> , 1999 , 60, 1161-1166		33
118	Ein ringförmiger Eisen(III)-Komplex mit [12]Metallakrone-6-Struktur und einem oktaedrisch koordinierten Natrium-Ion im Zentrum. <i>Angewandte Chemie</i> , 1995 , 107, 511-513	3.6	33
117	Redox-Controlled Exchange Bias in a Supramolecular Chain of Fe ₄ Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8777-82	16.4	31
116	Single-ion and molecular contributions to the zero-field splitting in an iron(III)-oxo dimer studied by single crystal W-band EPR. <i>Journal of Magnetic Resonance</i> , 2006 , 179, 29-37	3	31
115	Neutron spectroscopy within the S=5 ground multiplet and low-temperature heat capacity in an Fe ₄ magnetic cluster. <i>Physical Review B</i> , 2001 , 64,	3.3	31
114	Thermodynamics of host-guest interactions between methylpyridinium salts and phosphonate cavitands. <i>Supramolecular Chemistry</i> , 2010 , 22, 768-775	1.8	30
113	The bonding of thiazoles to platinum(II) complexes. X-ray crystal structure of cis- and trans-[Pt(dimethyl sulfoxide)(thiazole)Cl ₂]. <i>Inorganica Chimica Acta</i> , 1997 , 255, 405-409	2.7	30
112	Comparison of the spin dynamics in different types of molecular magnetic rings from ¹ H NMR. <i>Journal of Applied Physics</i> , 1998 , 83, 6946-6948	2.5	30
111	Disorder effects in Mn(12)-acetate at 83 K. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002 , 58, m371-3		29
110	Grafting single molecule magnets on gold nanoparticles. <i>Small</i> , 2014 , 10, 323-9	11	26
109	Intra- and inter-multiplet magnetic excitations in a tetrairon(III) molecular cluster. <i>Physical Review B</i> , 2004 , 70,	3.3	26
108	Magnetic anisotropy of Mn ₁₂ -acetate nanomagnets from high-field torque magnetometry. <i>Chemical Physics Letters</i> , 2000 , 322, 477-482	2.5	26

107	Low temperature specific heat of molecular rings: a study on the effects of the internal guest substitution and on the lattice contribution. <i>European Physical Journal B</i> , 2000 , 15, 633-639	1.2	26
106	Mössbauer spectroscopy of a monolayer of single molecule magnets. <i>Nature Communications</i> , 2018 , 9, 480	17.4	25
105	A new approach to the synthesis of heteronuclear propeller-like single molecule magnets. <i>Dalton Transactions</i> , 2013 , 42, 4416-26	4.3	25
104	Nuclear-spin relaxation in magnetic rings. <i>Physical Review B</i> , 1998 , 57, 1115-1123	3.3	25
103	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. <i>Dalton Transactions</i> , 2017 , 46, 4075-4085	4.3	24
102	Quantum dynamics of a single molecule magnet on superconducting Pb(111). <i>Nature Materials</i> , 2020 , 19, 546-551	27	24
101	Origin and spectroscopic determination of trigonal anisotropy in a heteronuclear single-molecule magnet. <i>Physical Review B</i> , 2013 , 88,	3.3	24
100	Enhanced vapor-phase processing in fluorinated Fe ₄ single-molecule magnets. <i>Inorganic Chemistry</i> , 2013 , 52, 5897-905	5.1	24
99	Magnetic and optical bistability in tetrairon(III) single molecule magnets functionalized with azobenzene groups. <i>Dalton Transactions</i> , 2012 , 41, 8368-78	4.3	22
98	Novel chiral calix[4]arenes by direct asymmetric epoxidation reaction. <i>Journal of Organic Chemistry</i> , 2008 , 73, 4233-6	4.2	22
97	Towards stepwise cluster assembly: a decacopper(II) complex obtained by controlled expansion of a metallasiloxane cage. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4517-20	16.4	22
96	Cyclooligosiloxanolate cluster complexes of transition metals and lanthanides. <i>Journal of Molecular Catalysis A</i> , 1996 , 107, 313-321		22
95	Probing transverse magnetic anisotropy by electronic transport through a single-molecule magnet. <i>Physical Review B</i> , 2015 , 91,	3.3	21
94	Single-Molecule-Magnet Carbon-Nanotube Hybrids. <i>Angewandte Chemie</i> , 2009 , 121, 760-764	3.6	21
93	Mapping of single-site magnetic anisotropy tensors in weakly coupled spin clusters by torque magnetometry. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 17220-30	3.6	20
92	Direct Observation of Single-Molecule Magnets Organized on Gold Surfaces. <i>Angewandte Chemie</i> , 2003 , 115, 1683-1686	3.6	20
91	Magnetic and structural properties of an octanuclear Cu(II) S=1/2 mesoscopic ring: Susceptibility and NMR measurements. <i>Physical Review B</i> , 2000 , 61, 6839-6847	3.3	20
90	Feinabstimmung der magnetischen Anisotropie von Hexaeisen(III)-Ringern durch Wirt-Gast-Wechselwirkungen: eine Untersuchung mit Drehmomentmagnetometrie bei hohen Feldstärken. <i>Angewandte Chemie</i> , 1999 , 111, 2409-2411	3.6	20

89	Experimental and Theoretical Studies on the Magnetic Anisotropy in Lanthanide(III)-Centered Fe ₃ Ln Propellers. <i>Chemistry - A European Journal</i> , 2015 , 21, 12171-80	4.8	19
88	Elektronenstruktur von Mangan(III)-Verbindungen aus Hochfrequenz-EPR-Spektren. <i>Angewandte Chemie</i> , 1997 , 109, 2423-2426	3.6	19
87	Slow quantum relaxation in a tetrairon(III) single-molecule magnet. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3481-3488	2.7	19
86	Self-assembly of high-nuclearity metal clusters: programmed expansion of a metallasiloxane cage to an octacopper(II) cluster. <i>Inorganic Chemistry</i> , 2004 , 43, 4540-2	5.1	19
85	Struktur und magnetische Eigenschaften eines zwöfkernigen Eisen(III)-Clusters mit verdrehtem Ring. <i>Angewandte Chemie</i> , 1999 , 111, 1372-1374	3.6	19
84	Low-temperature theory of proton NMR in the molecular antiferromagnetic ring Fe ₁₀ . <i>Europhysics Letters</i> , 2000 , 50, 88-93	1.6	18
83	Tetrairon(III) single-molecule magnet monolayers on gold: insights from ToF-SIMS and isotopic labeling. <i>Langmuir</i> , 2014 , 30, 8645-9	4	17
82	On-surface magnetometry: the evaluation of superexchange coupling constants in surface-wired single-molecule magnets. <i>Chemistry - A European Journal</i> , 2013 , 19, 16902-5	4.8	17
81	Energy-Barrier Enhancement by Ligand Substitution in Tetrairon(III) Single-Molecule Magnets. <i>Angewandte Chemie</i> , 2004 , 116, 1156-1159	3.6	17
80	High-spin and magnetic anisotropy signatures in three-terminal transport through a single molecule. <i>Synthetic Metals</i> , 2011 , 161, 591-597	3.6	16
79	Preparation and molecular structures of benzyl- and phenylacetylcobalt carbonyls. <i>Journal of Organometallic Chemistry</i> , 1999 , 586, 61-69	2.3	16
78	Structure of catena-(2-amino-1,3,4-thiadiazolium, 2-amino-1,3,4-thiadiazole bis(Iodo)-di-iodo-bismuth(III)). <i>Journal of Chemical Crystallography</i> , 1994 , 24, 277-280	0.5	16
77	Diamondoid Structure in a Metal-Organic Framework of Fe ₄ Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2016 , 22, 13705-14	4.8	15
76	Adding remnant magnetization and anisotropic exchange to propeller-like single-molecule magnets through chemical design. <i>Chemistry - A European Journal</i> , 2014 , 20, 13681-91	4.8	15
75	CuCl-catalyzed radical cyclisation of N-perchloroacyl-ketene-N,S-acetals: a new way to prepare disubstituted maleic anhydrides. <i>Tetrahedron</i> , 2012 , 68, 5863-5881	2.4	15
74	Bimetallic cyclooligosiloxanolate complexes of copper and nickel. <i>Inorganica Chimica Acta</i> , 1998 , 280, 282-287	2.7	15
73	Self-assembling of Mn ₁₂ molecular nanomagnets on FIB-patterned Au dot matrix. <i>Surface Science</i> , 2007 , 601, 2618-2622	1.8	15
72	Propeller-Shaped Fe ₄ and Fe ₃ M Molecular Nanomagnets: A Journey from Crystals to Addressable Single Molecules. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 552-568	2.3	15

71	Arylsulfonyl Groups: The Best Cyclization Auxiliaries for the Preparation of ATRC Lactams can be Acidolytically Removed. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 6734-6745	3.2	14
70	Introduction of ester and amido functions in tetrairon(III) single-molecule magnets: synthesis and physical characterization. <i>Dalton Transactions</i> , 2010 , 39, 5851-9	4.3	14
69	Magnetic Exchange Coupling in the FeIII ₆ (μ ₆ -O) Core: A Hint to the Magnetic Properties of Higher-Nuclearity Spin Clusters. <i>Inorganic Chemistry</i> , 1994 , 33, 1559-1561	5.1	14
68	π-Hybrid foldamers with 1,2,3-triazole rings: order versus disorder. <i>Journal of Organic Chemistry</i> , 2014 , 79, 5958-69	4.2	13
67	Heterobimetallic Cyclosiloxanolate Sandwich Clusters: Na[μ -cyclo(PhSiO ₂) ₆] ₂ [Fe(OR)] ₂ Ni ₄ (μ-Cl) (R = H, Me). <i>Journal of Cluster Science</i> , 1998 , 9, 295-319	3	13
66	Rational design of large-spin clusters based on the hexacopper(II) siloxanolate core. <i>Comptes Rendus Chimie</i> , 2003 , 6, 645-656	2.7	13
65	Fe ⁵⁷ NMR and relaxation by strong collision in the tunneling regime in the molecular nanomagnet Fe ₈ . <i>Physical Review B</i> , 2005 , 71,	3.3	13
64	The Origin of Magnetic Anisotropy and Single-Molecule Magnet Behavior in Chromium(II)-Based Extended Metal Atom Chains. <i>Inorganic Chemistry</i> , 2020 , 59, 1763-1777	5.1	12
63	Single-Molecule Magnets on Surfaces. <i>Structure and Bonding</i> , 2014 , 293-330	0.9	12
62	One pot grafting of tetrairon(III) single molecule magnets on silicon. <i>Polyhedron</i> , 2009 , 28, 1758-1763	2.7	12
61	¹ H nuclear magnetic resonance and spin dynamics in the tetranuclear iron(III) cluster {Fe ₄ }. <i>Journal of Applied Physics</i> , 2002 , 91, 7173	2.5	12
60	A tetracopper(II) complex containing two hexamidato-dicopper(II) units linked by croconate anions. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999 , 55, 2043-2045		12
59	Magnetic properties and crystal structure of a linear-chain copper(II) compound with bridging chloride and oxamidate ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993 , 3363		12
58	Struktur und magnetische Eigenschaften eines zehnkernigen Oxoeisen(III)-Clusters [ein Beitrag zum Verständnis von Aggregationsprozessen bei Eisenverbindungen. <i>Angewandte Chemie</i> , 1995 , 107, 2862-2864	3.6	12
57	Redox-Controlled Exchange Bias in a Supramolecular Chain of Fe ₄ Single-Molecule Magnets. <i>Angewandte Chemie</i> , 2015 , 127, 8901-8906	3.6	11
56	High Field Magnetization Process in a Dodecanuclear Fe(III) Ring Cluster. <i>Journal of the Physical Society of Japan</i> , 2003 , 72, 1178-1183	1.5	11
55	XAS and XMCD of Single Molecule Magnets. <i>Springer Proceedings in Physics</i> , 2010 , 279-311	0.2	10
54	A novel class of tetrairon(III) single-molecule magnets with graphene-binding groups. <i>Polyhedron</i> , 2009 , 28, 2029-2035	2.7	10

53	Post-synthetic isotopic labeling of an azamacrocyclic ligand. <i>Tetrahedron Letters</i> , 2002 , 43, 771-774	2	10
52	The Challenge of Thermal Deposition of Coordination Compounds: Insight into the Case of an Fe ₄ Single Molecule Magnet. <i>Chemistry of Materials</i> , 2016 , 28, 7693-7702	9.6	10
51	Filling the Gap in Extended Metal Atom Chains: Ferromagnetic Interactions in a Tetrairon(II) String Supported by Oligo-pyridylamido Ligands. <i>Inorganic Chemistry</i> , 2018 , 57, 5438-5448	5.1	9
50	Torque-detected ESR of a tetrairon(III) single molecule magnet. <i>Journal of Magnetic Resonance</i> , 2012 , 223, 55-60	3	9
49	Spin-lattice relaxation via quantum tunneling in diluted crystals of Fe ₄ single-molecule magnets. <i>Physical Review B</i> , 2014 , 89,	3.3	8
48	Isotopic effect on the quantum tunneling of the magnetization of molecular nanomagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 1954-1960	2.8	8
47	Electron transfer in the reactions of organic trichloromethyl derivatives with iron(II) chloride. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993 , 1847		8
46	Magnetic and electronic properties of hexairon(III) nanocluster with cyclic structure: a Mössbauer study 1998 , 116, 215-224		7
45	Quantum level structure of molecular magnets, Fe ₁₂ and V ₁₅ . <i>Physica B: Condensed Matter</i> , 2003 , 329-333, 1138-1139	2.8	7
44	Structure, magnetic properties and thermal sublimation of fluorinated Fe ₄ Single-Molecule Magnets. <i>Polyhedron</i> , 2017 , 128, 9-17	2.7	6
43	Synthesis, enantiomeric separation and docking studies of spiropiperidine analogues as ligands of the nociceptin/orphanin FQ receptor. <i>MedChemComm</i> , 2014 , 5, 973	5	6
42	Chiral Gold Nanoparticles Decorated with Pseudopeptides. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 6243-6248	3.2	6
41	UHV deposition and characterization of a mononuclear iron(III) β -diketonate complex on Au(111). <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 2139-48	3	6
40	XMCD of a single layer of single molecule magnets. <i>European Physical Journal: Special Topics</i> , 2009 , 169, 167-173	2.3	6
39	Magneto-optical studies on the molecular cluster Fe ₄ in different polymeric environments. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3970-3974	2.7	6
38	High-field torque magnetometry for investigating magnetic anisotropy in Mn ₁₂ -acetate nanomagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 2012-2014	2.8	6
37	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}]. <i>Journal of Materials Chemistry</i> , 2000 , 10, 1281-1286		6
36	Mangan(III)-formiat: ein dreidimensionales Netzwerk, das Kohlendioxidmoleküle einschließt. <i>Angewandte Chemie</i> , 1999 , 111, 1897-1899	3.6	6

35	Solution structure of a pentachromium(ii) single molecule magnet from DFT calculations, isotopic labelling and multinuclear NMR spectroscopy. <i>Dalton Transactions</i> , 2018 , 47, 585-595	4.3	6
34	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. <i>Inorganica Chimica Acta</i> , 2018 , 478, 59-70	2.7	5
33	New Cyclosiloxanolate Cluster Complexes of Transition Metals. <i>Journal of Cluster Science</i> , 2007 , 18, 217-236	3.36	5
32	Spin dynamics at level crossing in molecular AF rings probed by NMR. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1042-1047	2.8	5
31	⁵⁷ Fe NMR in oriented powder of Fe ₈ in zero and applied field. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E771-E772	2.8	5
30	Low-temperature specific heat of Li : Fe ₆ molecular magnets. <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 1233-1234	2.8	5
29	Synthesis, crystal and molecular structure, and spectroscopic characterization of 5-(1-hydroxycyclohexylthio)-1,3,4-thiadiazole-2-thione. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993 , 417		5
28	Expansion of a Discrete [3 D] Mn ₉ Metallogrid to a μ -Carboxylato-Bridged Polymeric {Mn ₁₁ } _n Assembly. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 2993-2999	2.3	5
27	Tuneable energy barriers in tetrairon(III) single-molecule magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E749-E751	2.8	4
26	Organized single-molecule magnets: direct observation of new Mn ₁₂ derivatives on gold. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E725-E726	2.8	4
25	Synthesis, crystal and molecular structure, and infrared characterization of two amino derivatives of 1,3,4-thiadiazole. <i>Journal of Crystallographic and Spectroscopic Research</i> , 1993 , 23, 967-971		4
24	Torque-Detected Electron Spin Resonance as a Tool to Investigate Magnetic Anisotropy in Molecular Nanomagnets. <i>Magnetochemistry</i> , 2016 , 2, 25	3.1	4
23	Tetrairon(II) extended metal atom chains as single-molecule magnets. <i>Dalton Transactions</i> , 2021 , 50, 7571-7589	4.3	4
22	Muon spin relaxation investigation of tetranuclear iron(III) Fe ₄ (OCH ₃) ₆ (dpm) ₆ molecular cluster. <i>Physical Review B</i> , 2009 , 80,	3.3	3
21	Intra- and inter-multiplet neutron transitions in an Fe ₄ magnetic cluster. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s929-s931	2.6	3
20	Form Matters: Stable Helical Foldamers Preferentially Target Human Monocytes and Granulocytes. <i>ChemMedChem</i> , 2017 , 12, 337-345	3.7	2
19	Unbiased evaluation of zero-field splitting D parameter in high-spin molecules from DC magnetic data with incomplete powder averaging. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 510, 166713	3.8	2
18	Thin Layers of Molecular Magnets 2016 , 187-229		2

17	XPS, FTIR-ATR, and AFM Structural Study of Silicon-Grafted Triol Monolayers for Controlled Anchoring of Single Molecule Magnets <i>Journal of Physical Chemistry C</i> , 2010 , 114, 20696-20701	3.8	2
16	REACTION BETWEEN CuCl ₂ AND 2-S-METHYL-5,5-DIMETHYLIMIDAZOLINE-4-THIONE X-Ray Crystal Structure of catena-Chloro(EN(1), S(4) (2-S-Methyl-5,5-Dimethylimidazoline-4-Thione)) Copper(I). <i>Journal of Coordination Chemistry</i> , 1998 , 44, 71-79	1.6	2
15	Synthesis, structural characterization and biological evaluation of 4'-C-methyl- and phenyl-dioxolane pyrimidine and purine nucleosides. <i>Archives of Pharmacal Research</i> , 2017 , 40, 537-549	6.1	1
14	A novel tripodal ligand with organosulfur alligator clips for deposition of tetrairon(III) single-molecule magnets on gold. <i>Polyhedron</i> , 2011 , 30, 2960-2964	2.7	1
13	⁷ Li nuclear magnetic resonance in the hexairon(III) antiferromagnetic molecular ring Fe ₆ Li. <i>Journal of Applied Physics</i> , 2004 , 95, 6879-6881	2.5	1
12	Inter-multiplet transitions in the Fe ₄ magnetic cluster. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E777-E778	2.8	1
11	Towards Stepwise Cluster Assembly: A Decacopper(II) Complex Obtained by Controlled Expansion of a Metallasiloxane Cage. <i>Angewandte Chemie</i> , 2002 , 114, 4699-4702	3.6	1
10	Engineering Chemisorption of Fe ₄ Single-Molecule Magnets on Gold. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2101182	4.6	1
9	Molecular Magnetic Clusters: a Bridge Between Molecules and Classical Magnets 1999 , 369-388		1
8	S-Functionalized Tripods with Monomethylene Spacers: Routes to Tetrairon(III) Single-Molecule Magnets with Ultrashort Tethering Groups. <i>Magnetochemistry</i> , 2020 , 6, 55	3.1	1
7	A New and Versatile Synthesis of 1,3-Dioxan-5-yl-pyrimidine and Purine Nucleoside Analogues. <i>Synlett</i> , 2015 , 26, 625-630	2.2	
6	Crystal structure of a new homochiral one-dimensional zincophosphate containing l-me-thio-nine. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015 , 71, 832-5	0.7	
5	Titelbild: Angew. Chem. 23/2002. <i>Angewandte Chemie</i> , 2002 , 114, 4533-4533	3.6	
4	Cover Picture: Angew. Chem. Int. Ed. 23/2002. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4355-4355	1.6	
3	Theory of NMR in the molecular ring Fe ₁₀ . <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 2009-2011	2.8	
2	A tetrairon(III) single-molecule magnet and its solvatomorphs: synthesis, crystal structures and vapor-phase processing. <i>Inorganica Chimica Acta</i> , 2021 , 120698	2.7	
1	Structural Diversity of Lithium Oligo- π -Pyridylamides. <i>Chemistry</i> , 2022 , 4, 520-534	2.1	