Andrea Cornia

List of Publications by Year
in descending order

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191	11,325	26630	31849
papers	citations	56 h-index	101 g-index

201	201	201	5856
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic memory of a single-molecule quantum magnet wired to a gold surface. Nature Materials, 2009, 8, 194-197.	27.5	999
2	Quantum tunnelling of the magnetization in a monolayer of oriented single-molecule magnets. Nature, 2010, 468, 417-421.	27.8	574
3	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.	13.7	454
4	Electron Transport through SingleMn12Molecular Magnets. Physical Review Letters, 2006, 96, 206801.	7.8	444
5	Single-molecule magnets based on iron(iii) oxo clusters. Chemical Communications, 2000, , 725-732.	4.1	349
6	Chemical strategies and characterization tools for the organization of single molecule magnets on surfaces. Chemical Society Reviews, 2011, 40, 3076.	38.1	247
7	Tuning Anisotropy Barriers in a Family of Tetrairon(III) Single-Molecule Magnets with anS= 5 Ground State. Journal of the American Chemical Society, 2006, 128, 4742-4755.	13.7	205
8	The molecular approach to nanoscale magnetism. Journal of Magnetism and Magnetic Materials, 1999, 200, 182-201.	2.3	202
9	Magnetic Anisotropy of the Antiferromagnetic Ring [Cr8F8Piv16]. Chemistry - A European Journal, 2002, 8, 277-285.	3.3	194
10	Direct Observation of Single-Molecule Magnets Organized on Gold Surfaces. Angewandte Chemie - International Edition, 2003, 42, 1645-1648.	13.8	190
11	A Cyclic Octadecairon(III) Complex, the Molecular 18-Wheeler. Angewandte Chemie International Edition in English, 1997, 36, 2774-2776.	4.4	179
12	Electric Field Controlled Magnetic Anisotropy in a Single Molecule. Nano Letters, 2010, 10, 3307-3311.	9.1	177
13	Origin of Second-Order Transverse Magnetic Anisotropy inMn12-Acetate. Physical Review Letters, 2002, 89, 257201.	7.8	154
14	Synthesis, Crystal Structure, Magnetism, and Magnetic Anisotropy of Cyclic Clusters Comprising six Iron(III) Ions and Entrapping Alkaline Ions. Chemistry - A European Journal, 1996, 2, 1379-1387.	3.3	153
15	Effects of Nuclear Spins on the Quantum Relaxation of the Magnetization for the Molecular NanomagnetFe8. Physical Review Letters, 2000, 84, 2965-2968.	7.8	151
16	Nonadiabatic Landau-Zener tunneling in Fe 8 molecular nanomagnets. Europhysics Letters, 2000, 50, 552-558.	2.0	150
17	A Cyclic Hexairon(III) Complex with an Octahedrally Coordinated Sodium Ion at the Center, an Example of the[12]Metallacrown-6 Structure Type. Angewandte Chemie International Edition in English, 1995, 34, 467-469.	4.4	144
18	Electronic Structure of Manganese(III) Compounds from High-Frequency EPR Spectra. Angewandte Chemie International Edition in English, 1997, 36, 2329-2331.	4.4	141

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19	Energy-Barrier Enhancement by Ligand Substitution in Tetrairon(III) Single-Molecule Magnets. Angewandte Chemie - International Edition, 2004, 43, 1136-1139.	13.8	134
20	Magnetism of large iron-oxo clusters. Chemical Society Reviews, 1996, 25, 101.	38.1	124
21	Microscopic spin Hamiltonian of aCr8antiferromagnetic ring from inelastic neutron scattering. Physical Review B, 2003, 67, .	3.2	124
22	XAS and XMCD Investigation of Mn₁₂ Monolayers on Gold. Chemistry - A European Journal, 2008, 14, 7530-7535.	3.3	122
23	Organizing and Addressing Magnetic Molecules. Inorganic Chemistry, 2009, 48, 3408-3419.	4.0	122
24	Synthesis, crystal structures and magnetic characterization of four Î²-diketonate-alkoxide iron(III) dimers. Dependence of the magnetic properties on geometrical and electronic parameters. Inorganica Chimica Acta, 1997, 262, 123-132.	2.4	120
25	The molecular way. Nature Materials, 2017, 16, 505-506.	27.5	116
26	The classical and quantum dynamics of molecular spins on graphene. Nature Materials, 2016, 15, 164-168.	27.5	109
27	Structure and Magnetic Properties of a Mixed-Valence Heptanuclear Manganese Clusterâ€. Inorganic Chemistry, 1998, 37, 3759-3766.	4.0	106
28	EPR of molecular nanomagnets. Coordination Chemistry Reviews, 2006, 250, 1514-1529.	18.8	102
29	Franckâ€“Condon Blockade in a Single-Molecule Transistor. Nano Letters, 2014, 14, 3191-3196.	9.1	102
30	Valence Tautomerism in a Cobalt Complex of a Schiff Base Diquinone Ligand. Inorganic Chemistry, 1998, 37, 3419-3421.	4.0	98
31	Structure and Magnetic Properties of a Dodecanuclear Twisted-Ring Iron(III) Cluster. Angewandte Chemie - International Edition, 1999, 38, 1295-1297.	13.8	98
32	Magnetostructural Correlations in Tetrairon(<scp>III</scp>) Singleâ€Molecule Magnets. Chemistry - A European Journal, 2009, 15, 6456-6467.	3.3	94
33	A Ferromagnetic Ring of Six Manganese(III) Ions with aS= 12 Ground State. Inorganic Chemistry, 1998, 37, 1430-1431.	4.0	92
34	Singleâ€Moleculeâ€Magnet Carbonâ€Nanotube Hybrids. Angewandte Chemie - International Edition, 2009, 48, 746-750.	13.8	90
35	The Origin of Transverse Anisotropy in Axially Symmetric Single Molecule Magnets. Journal of the American Chemical Society, 2007, 129, 10754-10762.	13.7	89
36	Modulated Magnetic Coupling in Alkoxoiron(III) Rings by Hostâ^'Guest Interactions with Alkali Metal Cations. Inorganic Chemistry, 1997, 36, 6443-6446.	4.0	88

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37	Landauâ€“Zener method to study quantum phase interference of Fe8 molecular nanomagnets (invited). Journal of Applied Physics, 2000, 87, 5481-5486.	2.5	88
38	Spin dynamics in mesoscopic size magnetic systems:AHtNMR1study in rings of iron (III) ions. Physical Review B, 1997, 55, 14341-14349.	3.2	87
39	Molecule-Based Magnets:Â Ferro- and Antiferromagnetic Interactions in Copper(II)â^'Polyorganosiloxanolate Clusters. Inorganic Chemistry, 1996, 35, 4427-4431.	4.0	86
40	Isolated single-molecule magnets on native gold. Chemical Communications, 2005, , 1640.	4.1	86
41	Xâ€Ray Magnetic Circular Dichroism Picks out Singleâ€Molecule Magnets Suitable for Nanodevices. Advanced Materials, 2009, 21, 167-171.	21.0	83
42	Magnetoâ€Optical Investigations of Nanostructured Materials Based on Singleâ€Molecule Magnets Monitor Strong Environmental Effects. Advanced Materials, 2007, 19, 3906-3911.	21.0	78
43	Direct Observation of Magnetic Anisotropy in an IndividualFe4Single-Molecule Magnet. Physical Review Letters, 2012, 109, 147203.	7.8	78
44	Manganese(III) Formate: A Three-Dimensional Framework That Traps Carbon Dioxide Molecules. Angewandte Chemie - International Edition, 1999, 38, 1780-1782.	13.8	77
45	Preparation of Novel Materials Using SMMs. , 0, , 133-161.		77
46	Ein cyclischer Octadecaeisen(III)â€Komplex: ein molekulares Achtzehnerâ€Rad. Angewandte Chemie, 1997, 109, 2917-2919.	2.0	75
47	Molecular magnetism, status and perspectives. Solid State Sciences, 2008, 10, 1701-1709.	3.2	75
48	New experimental techniques for magnetic anisotropy in molecular materials. Coordination Chemistry Reviews, 2001, 219-221, 573-604.	18.8	72
49	Advances in Single-Molecule Magnet Surface Patterning through Microcontact Printing. Nano Letters, 2005, 5, 1435-1438.	9.1	72
50	Magnetic anisotropy ofFe6andFe10molecular rings by cantilever torque magnetometry in high magnetic fields. Physical Review B, 1999, 60, 12177-12183.	3.2	71
51	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.	13.8	70
52	Metal Binding of Polyalcohols. 4.â€Structure and Magnetism of the Hexanuclear, Î¼6-Oxo-Centered [OFe6(H-3thme)3(OCH3)3Cl6]2-(thme = 1,1,1-Tris(hydroxymethyl)ethane). Inorganic Chemistry, 1996, 35, 4414-4419.	4.0	66
53	Polyiron(III)-Alkoxo Clusters: a Novel Trinuclear Complex and Its Relevance to the Extended Lattices of Iron Oxides and Hydroxides. Inorganic Chemistry, 1995, 34, 4660-4668.	4.0	63
54	Magnetic Bistability in a Submonolayer of Sublimated Fe₄ Single-Molecule Magnets. Nano Letters, 2015, 15, 535-541.	9.1	63

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55	Quantum dynamics of a single molecule magnet on superconducting Pb(111). Nature Materials, 2020, 19, 546-551.	27.5	62
56	A Pseudoâ€Octahedral Cobalt(II) Complex with Bispyrazolylpyridine Ligands Acting as a Zeroâ€Field Singleâ€Molecule Magnet with Easy Axis Anisotropy. Chemistry - A European Journal, 2018, 24, 8857-8868.	3.3	60
57	Single-Ion versus Dipolar Origin of the Magnetic Anisotropy in Iron(III)-Oxo Clusters: A Case Study. Chemistry - A European Journal, 2001, 7, 1796-1807.	3.3	59
58	Thermal Deposition of Intact Tetrairon(III) Singleâ€Molecule Magnets in Highâ€Vacuum Conditions. Small, 2009, 5, 1460-1466.	10.0	58
59	[Fe(OCH3)2(dbm)]12: synthesis, solid-state characterization and reactivity of a new molecular ferric wheel. Inorganica Chimica Acta, 2000, 297, 291-300.	2.4	56
60	Observation of Magnetic Level Repulsion in Fe6:Li Molecular Antiferromagnetic Rings. Physical Review Letters, 2002, 88, 167201.	7.8	56
61	Magnetic fingerprint of individual Fe4 molecular magnets under compression by a scanning tunnelling microscope. Nature Communications, 2015, 6, 8216.	12.8	56
62	Slow Magnetic Relaxation from Hardâ€Axis Metal Ions in Tetranuclear Singleâ€Molecule Magnets. Chemistry - A European Journal, 2010, 16, 10482-10493.	3.3	53
63	Ein ringfÃ¶rmiger Eisen(<scp>III</scp>)â€Komplex mit [12]Metallakroneâ€6â€Struktur und einem oktaedrisch koodinierten Natriumâ€Ion im Zentrum. Angewandte Chemie, 1995, 107, 511-513.	2.0	52
64	New perspectives in phosphonodithioate coordination chemistry. Synthesis and X-ray crystal structure of trans-bis-[O-ethyl-(4-methoxyphenyl)phosphonodithioato] nickel(II). Inorganica Chimica Acta, 1997, 262, 81-84.	2.4	52
65	Molecular structure and magnetic properties of copper(II), manganese(II) and iron(II) croconate tri-hydrate. Inorganica Chimica Acta, 1993, 212, 87-94.	2.4	50
66	New Singleâ€Molecule Magnets by Siteâ€Specific Substitution: Incorporation of â€œAlligator Clipsâ€•into Fe₄ Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 4145-4152.	2.0	50
67	Molecule-Based Magnets: Ferro- and Antiferromagnetic Interactions in Nickel(II) Cyclohexasiloxanolate Sandwich Complexes. Inorganic Chemistry, 1995, 34, 5383-5387.	4.0	49
68	Scaling behavior of the proton spin-lattice relaxation rate in antiferromagnetic molecular rings. Physical Review B, 2004, 70, .	3.2	48
69	Site-Specific Anchoring of Tetrairon(III) Single Molecule Magnets on Functionalized Si(100) Surfaces. Chemistry of Materials, 2008, 20, 2405-2411.	6.7	47
70	Spin Structure of Surface-Supported Single-Molecule Magnets from Isomorphous Replacement and X-ray Magnetic Circular Dichroism. Inorganic Chemistry, 2011, 50, 2911-2917.	4.0	47
71	Structure and Magnetic Properties of a Decanuclear Oxoiron(III) Cluster: A Further Step to Understanding Iron Aggregation Processes. Angewandte Chemie International Edition in English, 1996, 34, 2716-2718.	4.4	46
72	Magnetic Bistability of Isolated Giantâ€Spin Centers in a Diamagnetic Crystalline Matrix. Chemistry - A European Journal, 2012, 18, 3390-3398.	3.3	44

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73	Redoxâ€Controlled Exchange Bias in a Supramolecular Chain of Fe₄ Singleâ€Molecule Magnets. Angewandte Chemie - International Edition, 2015, 54, 8777-8782.	13.8	40
74	Magnetic properties of dodecanuclear mixed valence iron clusters. Inorganica Chimica Acta, 1996, 243, 295-304.	2.4	38
75	One-step covalent grafting of Fe4single-molecule magnet monolayers on gold. Chemical Communications, 2011, 47, 1467-1469.	4.1	38
76	Magnetic blocking in extended metal atom chains: a pentachromium(<scp>ii</scp>) complex behaving as a single-molecule magnet. Chemical Communications, 2014, 50, 15191-15194.	4.1	37
77	MÃ¶ssbauer spectroscopy of a monolayer of single molecule magnets. Nature Communications, 2018, 9, 480.	12.8	37
78	Low-temperature specific heat ofFe6andFe10molecular magnets. Physical Review B, 1999, 60, 1161-1166.	3.2	36
79	Neutron spectroscopy within theS=5ground multiplet and low-temperature heat capacity in anFe4magnetic cluster. Physical Review B, 2001, 64, .	3.2	35
80	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.	4.1	35
81	Valence band resonant photoemission of Mn12 single molecules grafted on Au(111) surface. Surface Science, 2006, 600, 4185-4189.	1.9	35
82	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.	6.7	35
83	The bonding of thiazoles to platinum(II) complexes. X-ray crystal structure of cis- and trans-[Pt(dimethyl sulfoxide)(thiazole)Cl2]. Inorganica Chimica Acta, 1997, 255, 405-409.	2.4	34
84	Solvent Effects on the Adsorption and Self-Organization of Mn12 on Au(111). Langmuir, 2007, 23, 11836-11843.	3.5	34
85	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	33
86	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.	2.1	33
87	Thermodynamics of hostâ€“guest interactions between methylpyridinium salts and phosphonate cavitands. Supramolecular Chemistry, 2010, 22, 768-775.	1.2	33
88	Disorder effects in Mn12â€“acetate at 83â€…K. Acta Crystallographica Section C: Crystal Structure Communications, 2002, 58, m371-m373.	0.4	32
89	Magnetic anisotropy of Mn12-acetate nanomagnets from high-field torque magnetometry. Chemical Physics Letters, 2000, 322, 477-482.	2.6	31
90	Grafting Single Molecule Magnets on Gold Nanoparticles. Small, 2014, 10, 323-329.	10.0	31

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91	A new approach to the synthesis of heteronuclear propeller-like single molecule magnets. Dalton Transactions, 2013, 42, 4416.	3.3	30
92	The Origin of Magnetic Anisotropy and Single-Molecule Magnet Behavior in Chromium(II)-Based Extended Metal Atom Chains. Inorganic Chemistry, 2020, 59, 1763-1777.	4.0	29
93	Direct Observation of Single-Molecule Magnets Organized on Gold Surfaces. Angewandte Chemie, 2003, 115, 1683-1686.	2.0	28
94	Enhanced Vapor-Phase Processing in Fluorinated Fe₄ Single-Molecule Magnets. Inorganic Chemistry, 2013, 52, 5897-5905.	4.0	28
95	Evidence of crystal packing effects in stabilizing high or low spin states of iron(<scp>ii</scp>) complexes with functionalized 2,6-bis(pyrazol-1-yl)pyridine ligands. Dalton Transactions, 2017, 46, 4075-4085.	3.3	28
96	Cyclooligosiloxanolate cluster complexes of transition metals and lanthanides. Journal of Molecular Catalysis A, 1996, 107, 313-321.	4.8	27
97	Intra- and inter-multiplet magnetic excitations in a tetrairon(III) molecular cluster. Physical Review B, 2004, 70, .	3.2	27
98	Probing transverse magnetic anisotropy by electronic transport through a single-molecule magnet. Physical Review B, 2015, 91, .	3.2	27
99	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.	1.5	26
100	Magnetic and optical bistability in tetrairon(iii) single molecule magnets functionalized with azobenzene groups. Dalton Transactions, 2012, 41, 8368.	3.3	26
101	Origin and spectroscopic determination of trigonal anisotropy in a heteronuclear single-molecule magnet. Physical Review B, 2013, 88, .	3.2	26
102	Nuclear-spin relaxation in magnetic rings. Physical Review B, 1998, 57, 1115-1123.	3.2	25
103	Towards Stepwise Cluster Assembly: A Decacopper(II) Complex Obtained by Controlled Expansion of a Metallasiloxane Cage. Angewandte Chemie - International Edition, 2002, 41, 4517-4520.	13.8	25
104	Propellerâ€Shaped Fe₄ and Fe₃M Molecular Nanomagnets: A Journey from Crystals to Addressable Single Molecules. European Journal of Inorganic Chemistry, 2019, 2019, 552-568.	2.0	25
105	Mapping of single-site magnetic anisotropy tensors in weakly coupled spin clusters by torque magnetometry. Physical Chemistry Chemical Physics, 2014, 16, 17220.	2.8	24
106	Slow quantum relaxation in a tetrairon(III) single-molecule magnet. Inorganica Chimica Acta, 2008, 361, 3481-3488.	2.4	23
107	Experimental and Theoretical Studies on the Magnetic Anisotropy in Lanthanide(III)â€Centered Fe₃Ln Propellers. Chemistry - A European Journal, 2015, 21, 12171-12180.	3.3	23
108	Magnetic and structural properties of an octanuclear Cu(II)S=1/2mesoscopic ring: Susceptibility and NMR measurements. Physical Review B, 2000, 61, 6839-6847.	3.2	22

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109	Novel Chiral Calix[4]arenes by Direct Asymmetric Epoxidation Reaction. Journal of Organic Chemistry, 2008, 73, 4233-4236.	3.2	22
110	Elektronenstruktur von Mangan(<scp>III</scp>)â€Verbindungen aus Hochfrequenzâ€EPRâ€Spektren. Angewandte Chemie, 1997, 109, 2423-2426.	2.0	21
111	Tetrairon(III) Single-Molecule Magnet Monolayers on Gold: Insights from ToF-SIMS and Isotopic Labeling. Langmuir, 2014, 30, 8645-8649.	3.5	21
112	Low-temperature theory of proton NMR in the molecular antiferromagnetic ring Fe10. Europhysics Letters, 2000, 50, 88-93.	2.0	20
113	Adding Remnant Magnetization and Anisotropic Exchange to Propellerâ€like Singleâ€Molecule Magnets through Chemical Design. Chemistry - A European Journal, 2014, 20, 13681-13691.	3.3	20
114	Bimetallic cyclooligosiloxanolate complexes of copper and nickel. Inorganica Chimica Acta, 1998, 280, 282-287.	2.4	19
115	Self-Assembly of High-Nuclearity Metal Clusters:Â Programmed Expansion of a Metallasiloxane Cage to an Octacopper(II) Cluster. Inorganic Chemistry, 2004, 43, 4540-4542.	4.0	19
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127	Arylsulfonyl Groups: The Best Cyclization Auxiliaries for the Preparation of ATRC Î³â€Lactams can be Acidolytically Removed. European Journal of Organic Chemistry, 2014, 2014, 6734-6745.	2.4	15
128	Heterobimetallic Cyclosiloxanolate Sandwich Clusters: Na[Î·6-cyclo(PhSiO2)6]2[Fe(OR)]2Ni4(Î¼6-Cl) (R =) Tj ETQq0 0 0 rgBT /Overlock	3.3	14
129	Isotopic effect on the quantum tunneling of the magnetization of molecular nanomagnets. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1954-1960.	2.3	14
130	Rational design of large-spin clusters based on the hexacopper(II) siloxanolate core. Comptes Rendus Chimie, 2003, 6, 645-656.	0.5	14
131	Fe57NMR and relaxation by strong collision in the tunneling regime in the molecular nanomagnet Fe8. Physical Review B, 2005, 71, .	3.2	14
132	Î±,Îµ-Hybrid Foldamers with 1,2,3-Triazole Rings: Order versus Disorder. Journal of Organic Chemistry, 2014, 79, 5958-5969.	3.2	14
133	Post-synthetic isotopic labeling of an azamacrocyclic ligand. Tetrahedron Letters, 2002, 43, 771-774.	1.4	13
134	One pot grafting of tetrairon(III) single molecule magnets on silicon. Polyhedron, 2009, 28, 1758-1763.	2.2	13
135	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.	6.7	13
136	Magnetic properties and crystal structure of a linear-chain copper(II) compound with bridging chloride and oxamidate ligands. Journal of the Chemical Society Dalton Transactions, 1993, , 3363.	1.1	12
137	A tetracopper(II) complex containing two Î¼-oxamidato-dicopper(II) units linked by croconate anions. Acta Crystallographica Section C: Crystal Structure Communications, 1999, 55, 2043-2045.	0.4	12
138	[sup 1]H nuclear magnetic resonance and spin dynamics in the tetranuclear iron(III) cluster {Fe[sub 4]}. Journal of Applied Physics, 2002, 91, 7173.	2.5	12
139	High Field Magnetization Process in a Dodecanuclear Fe(III) Ring Cluster. Journal of the Physical Society of Japan, 2003, 72, 1178-1183.	1.6	12
140	XAS and XMCD of Single Molecule Magnets. Springer Proceedings in Physics, 2010, , 279-311.	0.2	11
141	Structure, magnetic properties and thermal sublimation of fluorinated Fe 4 Single-Molecule Magnets. Polyhedron, 2017, 128, 9-17.	2.2	11
142	Solution structure of a pentachromium(<scp>ii</scp>) single molecule magnet from DFT calculations, isotopic labelling and multinuclear NMR spectroscopy. Dalton Transactions, 2018, 47, 585-595.	3.3	11
143	A novel class of tetrairon(III) single-molecule magnets with graphene-binding groups. Polyhedron, 2009, 28, 2029-2035.	2.2	10
144	Torque-detected ESR of a tetrairon(III) single molecule magnet. Journal of Magnetic Resonance, 2012, 223, 55-60.	2.1	10

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145	Chiral Gold Nanoparticles Decorated with Pseudopeptides. European Journal of Organic Chemistry, 2015, 2015, 6243-6248.	2.4	10
146	Tetrairon(<scp>ii</scp>) extended metal atom chains as single-molecule magnets. Dalton Transactions, 2021, 50, 7571-7589.	3.3	10
147	Magneto-optical studies on the molecular cluster Fe4 in different polymeric environments. Inorganica Chimica Acta, 2008, 361, 3970-3974.	2.4	9
148	Spin-lattice relaxation via quantum tunneling in diluted crystals ofFe4single-molecule magnets. Physical Review B, 2014, 89, .	3.2	9
149	Synthesis, enantiomeric separation and docking studies of spiropiperidine analogues as ligands of the nociceptin/orphanin FQ receptor. MedChemComm, 2014, 5, 973.	3.4	9
150	Electron transfer in the reactions of organic trichloromethyl derivatives with iron(II) chloride. Journal of the Chemical Society Perkin Transactions II, 1993, , 1847.	0.9	8
151	UHV deposition and characterization of a mononuclear iron(III) Î²-diketonate complex on Au(111). Beilstein Journal of Nanotechnology, 2014, 5, 2139-2148.	2.8	8
152	Title is missing!. , 1998, 116, 215-224.		7
153	Quantum level structure of molecular magnets, Fe12 and V15. Physica B: Condensed Matter, 2003, 329-333, 1138-1139.	2.7	7
154	XMCD of a single layer of single molecule magnets. European Physical Journal: Special Topics, 2009, 169, 167-173.	2.6	7
155	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.	2.4	7
156	Engineering Chemisorption of Fe₄ Singleâ€Molecule Magnets on Gold. Advanced Materials Interfaces, 2021, 8, 2101182.	3.7	7
157	Reaction of N,Nâ€²-dimethylimidazolidine-2-selone (4) with TCNQ. Characterisation and X-ray crystal structure of the mixed-valence compound 4Â·(TCNQ)1.167. Journal of Materials Chemistry, 2000, 10, 1281-1286.	6.7	6
158	High-field torque magnetometry for investigating magnetic anisotropy in Mn12-acetate nanomagnets. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 2012-2014.	2.3	6
159	Expansion of a Discrete [3â€‰Ã—â€‰3] Mn9 Metallogrid to a Âµ-Carboxylato-Bridged Polymeric {Mn11}n Assembly. European Journal of Inorganic Chemistry, 2016, 2016, 2993-2999.	2.0	6
160	Synthesis, crystal and molecular structure, and spectroscopic characterization of 5-(1-hydroxycyclohexylthio)-1,3,4-thiadiazole-2-thione. Journal of the Chemical Society Perkin Transactions II, 1993, , 417.	0.9	5
161	Low-temperature specific heat of Li : Fe6 molecular magnets. Physica B: Condensed Matter, 2000, 284-288, 1233-1234.	2.7	5
162	Spin dynamics at level crossing in molecular AF rings probed by NMR. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1042-1047.	2.3	5

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163	NMR in oriented powder of Fe8 in zero and applied field. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E771-E772.	2.3	5
164	Tuneable energy barriers in tetrairon(III) single-molecule magnets. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E749-E751.	2.3	5
165	New Cyclosiloxanolate Cluster Complexes of Transition Metals. Journal of Cluster Science, 2007, 18, 217-236.	3.3	5
166	Torque-Detected Electron Spin Resonance as a Tool to Investigate Magnetic Anisotropy in Molecular Nanomagnets. Magnetochemistry, 2016, 2, 25.	2.4	5
167	Synthesis, crystal and molecular structure, and infrared characterization of two amino derivatives of 1,3,4-thiadiazole. Journal of Crystallographic and Spectroscopic Research, 1993, 23, 967-971.	0.2	4
168	Organized single-molecule magnets: direct observation of new Mn12 derivatives on gold. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E725-E726.	2.3	4
169	Title is missing!. Angewandte Chemie, 2002, 114, 4699-4702.	2.0	3
170	Intra- and inter-multiplet neutron transitions in an Fe 4 magnetic cluster. Applied Physics A: Materials Science and Processing, 2002, 74, s929-s931.	2.3	3
171	Muon spin relaxation investigation of tetranuclear iron(III)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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181	A novel tripodal ligand with organosulfur alligator clips for deposition of tetrairon(III) single-molecule magnets on gold. Polyhedron, 2011, 30, 2960-2964.	2.2	1
182	Molecular Magnetic Clusters: a Bridge Between Molecules and Classical Magnets. , 1999, , 369-388.		1
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