

Andrea Caneschi

List of Publications by Year in descending order

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381
papers

29,142
citations

4641

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156
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395
all docs

395
docs citations

395
times ranked

12637
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic bistability in a metal-ion cluster. <i>Nature</i> , 1993, 365, 141-143.	13.7	3,860
2	Cobalt(II)-Nitronyl Nitroxide Chains as Molecular Magnetic Nanowires. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1760-1763.	7.2	1,074
3	Alternating current susceptibility, high field magnetization, and millimeter band EPR evidence for a ground $S = 10$ state in $[\text{Mn}_{12}\text{O}_{12}(\text{CH}_3\text{COO})_{16}(\text{H}_2\text{O})_4] \cdot 2\text{CH}_3\text{COOH} \cdot 4\text{H}_2\text{O}$. <i>Journal of the American Chemical Society</i> , 1991, 113, 5873-5874.	6.6	899
4	Toward molecular magnets: the metal-radical approach. <i>Accounts of Chemical Research</i> , 1989, 22, 392-398.	7.6	826
5	Large Clusters of Metal Ions: The Transition from Molecular to Bulk Magnets. <i>Science</i> , 1994, 265, 1054-1058.	6.0	822
6	Magnetic Anisotropy in a Dysprosium/DOTA Single-Molecule Magnet: Beyond Simple Magneto-Structural Correlations. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1606-1610.	7.2	523
7	Crystal and molecular structure of and magnetic coupling in two complexes containing gadolinium(III) and copper(II) ions. <i>Journal of the American Chemical Society</i> , 1985, 107, 8128-8136.	6.6	521
8	A Family of Rare-Earth-Based Single Chain Magnets: Playing with Anisotropy. <i>Journal of the American Chemical Society</i> , 2006, 128, 7947-7956.	6.6	498
9	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.	6.6	454
10	Magnetic Anisotropy and Spin-Parity Effect Along the Series of Lanthanide Complexes with DOTA. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 350-354.	7.2	275
11	Synthesis, crystal structure, and magnetic properties of tetranuclear complexes containing exchange-coupled dilanthanide-dicopper(lanthanide = gadolinium, dysprosium) species. <i>Inorganic Chemistry</i> , 1990, 29, 1750-1755.	1.9	249
12	Magnetic Anisotropy of Dysprosium(III) in a Low-Symmetry Environment: A Theoretical and Experimental Investigation. <i>Journal of the American Chemical Society</i> , 2009, 131, 5573-5579.	6.6	249
13	Low-Energy Magnetic Excitations of the Mn_{12} -Acetate Spin Cluster Observed by Neutron Scattering. <i>Physical Review Letters</i> , 1999, 83, 628-631.	2.9	238
14	Neutron Spectroscopy for the Magnetic Anisotropy of Molecular Clusters. <i>Physical Review Letters</i> , 1998, 81, 4744-4747.	2.9	222
15	A rational approach to the modulation of the dynamics of the magnetisation in a dysprosium-nitronyl-nitroxide radical complex. <i>Chemical Communications</i> , 2007, , 1807-1809.	2.2	216
16	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, 4742-4755.	6.6	205
17	Giant field dependence of the low temperature relaxation of the magnetization in a dysprosium(III)-DOTA complex. <i>Chemical Communications</i> , 2011, 47, 3751.	2.2	204
18	The molecular approach to nanoscale magnetism. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 200, 182-201.	1.0	202

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19	Preparation, crystal structure, and magnetic properties of an oligonuclear complex with 12 coupled spins and an $S = 12$ ground state. <i>Journal of the American Chemical Society</i> , 1988, 110, 2795-2799.	6.6	191
20	Crystal and molecular structure and magnetic properties of a trinuclear complex containing exchange-coupled $GdCu_2$ species. <i>Inorganic Chemistry</i> , 1986, 25, 572-575.	1.9	190
21	Direct Observation of Single-Molecule Magnets Organized on Gold Surfaces. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1645-1648.	7.2	190
22	Strong magneto-chiral dichroism in a paramagnetic molecular helix observed by hard X-rays. <i>Nature Physics</i> , 2015, 11, 69-74.	6.5	187
23	A Cyclic Octadecairon(III) Complex, the Molecular 18-Wheeler. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2774-2776.	4.4	179
24	Structure and magnetic properties of ferrimagnetic chains formed by manganese(II) and nitronyl nitroxides. <i>Inorganic Chemistry</i> , 1988, 27, 1756-1761.	1.9	172
25	Linear-chain gadolinium(III) nitronyl nitroxide complexes with dominant next-nearest-neighbor magnetic interactions. <i>Inorganic Chemistry</i> , 1990, 29, 4223-4228.	1.9	170
26	Nitrogen-bonded copper(II)-imino nitroxide complexes exhibiting large ferromagnetic interactions. <i>Journal of the American Chemical Society</i> , 1991, 113, 1245-1251.	6.6	158
27	Crystal structure and magnetic properties of two nitronyl nitroxide biradicals and of their copper(II) complexes. <i>Inorganic Chemistry</i> , 1993, 32, 1445-1453.	1.9	158
28	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.	1.7	153
29	Effects of Nuclear Spins on the Quantum Relaxation of the Magnetization for the Molecular Nanomagnet Fe_8 . <i>Physical Review Letters</i> , 2000, 84, 2965-2968.	2.9	151
30	Magnetic phase transition and low-temperature EPR spectra of a one-dimensional ferrimagnet formed by manganese(II) and a nitronyl nitroxide. <i>Inorganic Chemistry</i> , 1989, 28, 1976-1980.	1.9	150
31	Nonadiabatic Landau-Zener tunneling in Fe_8 molecular nanomagnets. <i>Europhysics Letters</i> , 2000, 50, 552-558.	0.7	150
32	Ferromagnetic alternating spin chains. <i>Journal of the American Chemical Society</i> , 1987, 109, 2191-2192.	6.6	145
33	Density functional studies on the exchange interaction of a dinuclear $Gd(III) \leftrightarrow Cu(II)$ complex: method assessment, magnetic coupling mechanism and magneto-structural correlations. <i>Dalton Transactions</i> , 2009, , 3153.	1.6	145
34	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.	4.4	144
35	Quantum coherence in a processable vanadyl complex: new tools for the search of molecular spin qubits. <i>Chemical Science</i> , 2016, 7, 2074-2083.	3.7	144
36	Cavitand-Based Nanoscale Coordination Cages. <i>Journal of the American Chemical Society</i> , 2004, 126, 6516-6517.	6.6	143

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37	Magnetic interactions and magnetic ordering in rare earth metal nitronyl nitroxide chains. <i>Inorganic Chemistry</i> , 1993, 32, 4797-4801.	1.9	139
38	Structure and magnetic ordering of a ferrimagnetic helix formed by manganese(II) and a nitronyl nitroxide radical. <i>Inorganic Chemistry</i> , 1991, 30, 3936-3941.	1.9	138
39	Residual matrix from different separation techniques impacts exosome biological activity. <i>Scientific Reports</i> , 2016, 6, 23550.	1.6	138
40	Transition metal derivatives of a chelating nitronyl nitroxide ligand. Nickel(II) and manganese(II) complexes. <i>Inorganic Chemistry</i> , 1993, 32, 5616-5622.	1.9	136
41	Ferromagnetic Coupling between Semiquinone Type Tridentate Radical Ligands Mediated by Metal Ions. <i>Journal of the American Chemical Society</i> , 1994, 116, 1388-1394.	6.6	136
42	Ferromagnetic phase transitions of two one-dimensional ferrimagnets formed by manganese(II) and nitronyl nitroxides cis octahedrally coordinated. <i>Inorganic Chemistry</i> , 1989, 28, 3314-3319.	1.9	132
43	Finite-Size Effects in Single Chain Magnets: An Experimental and Theoretical Study. <i>Physical Review Letters</i> , 2004, 92, 207204.	2.9	131
44	Antiferromagnetic Coupling in a Gadolinium(III) Semiquinonato Complex. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 246-248.	7.2	130
45	Self assembly, structure and properties of the decanuclear lanthanide ring complex, Dy ₁₀ (OC ₂ H ₄ OCH ₃) ₃₀ . <i>Chemical Communications</i> , 2003, , 1012-1013.	2.2	129
46	Mesoscopic quantum tunneling of the magnetization. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 1825-1828.	1.0	128
47	Magnetism of large iron-oxo clusters. <i>Chemical Society Reviews</i> , 1996, 25, 101.	18.7	124
48	X-ray Detected Magnetic Hysteresis of Thermally Evaporated Terbium Double-Decker Oriented Films. <i>Advanced Materials</i> , 2010, 22, 5488-5493.	11.1	122
49	Synthesis, crystal structures and magnetic characterization of four $\hat{1}^2$ -diketonate-alkoxide iron(III) dimers. Dependence of the magnetic properties on geometrical and electronic parameters. <i>Inorganica Chimica Acta</i> , 1997, 262, 123-132.	1.2	120
50	Structure and magnetic properties of linear-chain complexes of rare-earth ions (gadolinium,) <i>Journal of the American Chemical Society</i> , 1994, 116, 1175-1183.	1.9	117
51	Magnetic properties of lanthanide complexes with nitronyl nitroxides.. <i>Inorganic Chemistry</i> , 1989, 28, 272-275.	1.9	117
52	Gadolinium(III) complexes with pyridine-substituted nitronyl nitroxide radicals. <i>Inorganic Chemistry</i> , 1992, 31, 741-746.	1.9	117
53	2,2'-Bipyrimidine (bipym)-bridged dinuclear complexes. Part 4. Synthesis, crystal structure and magnetic properties of [CO ₂ (H ₂ O) ₈ (bipym)][NO ₃] ₄ , [CO ₂ (H ₂ O) ₈ (bipym)][SO ₄] ₂ ·2H ₂ O and [CO ₂ (bipym) ₃ (NCS) ₄]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 1175-1183.	1.1	117
54	Moderate ferromagnetic exchange between copper(II) and a nitronyl nitroxide in a square-pyramidal adduct. MO interpretation of the mechanism of exchange in copper(II)-nitroxide complexes. <i>Inorganic Chemistry</i> , 1988, 27, 1031-1035.	1.9	116

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55	Magnetic coupling in zero- and one-dimensional magnetic systems formed by nickel(II) and nitronyl nitroxides. Magnetic phase transition of a ferrimagnetic chain. <i>Inorganic Chemistry</i> , 1989, 28, 2940-2944.	1.9	114
56	Circular Magnetoplasmonic Modes in Gold Nanoparticles. <i>Nano Letters</i> , 2013, 13, 4785-4789.	4.5	113
57	Alternating Ferro- and Antiferromagnetic Interactions in Unusual Copper(II) Chains. <i>Inorganic Chemistry</i> , 1995, 34, 157-165.	1.9	108
58	Iron and manganese alkoxide cubes. <i>Journal of the American Chemical Society</i> , 1993, 115, 11753-11766.	6.6	106
59	Structure and Magnetic Properties of a Mixed-Valence Heptanuclear Manganese Cluster. <i>Inorganic Chemistry</i> , 1998, 37, 3759-3766.	1.9	106
60	Glauber slow dynamics of the magnetization in a molecular Ising chain. <i>Europhysics Letters</i> , 2002, 58, 771-777.	0.7	103
61	Ising-Type Magnetic Anisotropy in a Cobalt(II) Nitronyl Nitroxide Compound: A Key to Understanding the Formation of Molecular Magnetic Nanowires. <i>Chemistry - A European Journal</i> , 2002, 8, 286-292.	1.7	103
62	EPR of molecular nanomagnets. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1514-1529.	9.5	102
63	Anchoring Molecular Magnets on the Si(100) Surface. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4081-4084.	7.2	101
64	Nonexponential Dynamic Scaling of the Magnetization Relaxation in Mn ₁₂ Acetate. <i>Physical Review Letters</i> , 1999, 83, 2398-2401.	2.9	100
65	Synthetic and magnetic studies of a dodecanuclear cobalt wheel. <i>Chemical Communications</i> , 2002, , 1860-1861.	2.2	100
66	Valence Tautomerism in a Cobalt Complex of a Schiff Base Diquinone Ligand. <i>Inorganic Chemistry</i> , 1998, 37, 3419-3421.	1.9	98
67	Structure and Magnetic Properties of a Dodecanuclear Twisted-Ring Iron(III) Cluster. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1295-1297.	7.2	98
68	Magnetic phase transitions in manganese(II) pentafluorobenzoate adducts with nitronyl nitroxides. <i>Journal of the American Chemical Society</i> , 1989, 111, 785-786.	6.6	97
69	A Decanuclear Manganese Cluster with Oxo and Halide Bridging Ligands: Magnetic Behavior of an S ₁₂ System. <i>Journal of the American Chemical Society</i> , 1995, 117, 5789-5800.	6.6	96
70	Polyfunctional Inorganic-Organic Hybrid Materials: An Unusual Kind of NLO Active Layered Mixed Metal Oxalates with Tunable Magnetic Properties and Very Large Second Harmonic Generation. <i>Journal of the American Chemical Society</i> , 2007, 129, 9410-9420.	6.6	96
71	Specific heat and magnetic relaxation of the quantum nanomagnet Mn ₁₂ Ac. <i>Physical Review B</i> , 1998, 57, 5021-5024.	1.1	94
72	An Example of O ₂ Binding in a Cobalt(II) Corrole System and High-Valent Cobalt-Cyano and Cobalt-Alkynyl Complexes. <i>Journal of the American Chemical Society</i> , 2004, 126, 2515-2525.	6.6	93

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73	A Ferromagnetic Ring of Six Manganese(III) Ions with a S= 12 Ground State. <i>Inorganic Chemistry</i> , 1998, 37, 1430-1431.	1.9	92
74	Structure and magnetic properties of a chain compound formed by copper(II) and a tridentate nitronyl nitroxide radical. <i>Inorganic Chemistry</i> , 1991, 30, 3162-3166.	1.9	91
75	The azido ligand: a useful tool in designing chain compounds exhibiting alternating ferro- and antiferro-magnetic interactions. <i>Chemical Communications</i> , 1997, , 1195-1196.	2.2	91
76	Structure and Magnetic Properties of a Gadolinium Hexafluoroacetylacetonate Adduct with the Radical 4,4,5,5-tetramethyl-2-phenyl-4,5-dihydro-1H-imidazole 3-Oxide 1-Oxyl. <i>Angewandte Chemie International Edition in English</i> , 1987, 26, 913-915.	4.4	90
77	Magnetic properties of a Mn cluster organic compound. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 146, 211-213.	1.0	90
78	The Origin of Transverse Anisotropy in Axially Symmetric Single Molecule Magnets. <i>Journal of the American Chemical Society</i> , 2007, 129, 10754-10762.	6.6	89
79	Modulated Magnetic Coupling in Alkoxoiron(III) Rings by Host-Guest Interactions with Alkali Metal Cations. <i>Inorganic Chemistry</i> , 1997, 36, 6443-6446.	1.9	88
80	Landau-Zener method to study quantum phase interference of Fe ₈ molecular nanomagnets (invited). <i>Journal of Applied Physics</i> , 2000, 87, 5481-5486.	1.1	88
81	Submillimeter spectroscopy of Mn ₁₂ -Ac magnetic clusters. <i>Europhysics Letters</i> , 1998, 44, 778-782.	0.7	87
82	Pressure- and Temperature-Induced Valence Tautomeric Interconversion in a Dioxolene Adduct of a Cobalt-Tetraazamacrocyclic Complex. <i>Chemistry - A European Journal</i> , 2001, 7, 3926-3930.	1.7	87
83	Heterobinuclear Complexes as Tectons in Designing Coordination Polymers. <i>Crystal Growth and Design</i> , 2008, 8, 941-949.	1.4	87
84	Hetero di- and trinuclear Cu-Gd complexes with trifluoroacetate bridges: synthesis, structural and magnetic studies. <i>Dalton Transactions</i> , 2004, , 1194-1200.	1.6	86
85	Novel features in the relaxation times of Mn ₁₂ Ac. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 379-380.	1.0	85
86	Synthesis and Reaction of [HC(CMeNAr) ₂ Mn] ₂ (Ar = 2,6-iPr ₂ C ₆ H ₃): The Complex Containing Three-Coordinate Manganese(I) with a Mn-Mn Bond Exhibiting Unusual Magnetic Properties and Electronic Structure. <i>Journal of the American Chemical Society</i> , 2005, 127, 9201-9206.	6.6	85
87	Ferro- and antiferromagnetic coupling between metal ions and pyridine-substituted nitronyl nitroxides. <i>Inorganic Chemistry</i> , 1990, 29, 4217-4223.	1.9	84
88	Heat Capacity Anomalies Induced by Magnetization Quantum Tunneling in a Mn ₁₂ O ₁₂ -Acetate Single Crystal. <i>Physical Review Letters</i> , 1997, 79, 1126-1129.	2.9	84
89	Temperature and pH sensors based on graphenic materials. <i>Biosensors and Bioelectronics</i> , 2017, 91, 870-877.	5.3	83
90	Structure and magnetic properties of chains of diamonds of four spins formed by metal(II) hexafluoroacetylacetonates (metal = cobalt, nickel) and the nitronyl nitroxide radical 4,4,5,5-tetramethyl-2-ethyl-4,5-dihydro-1H-imidazolyl-1-oxyl 3-oxide. <i>Inorganic Chemistry</i> , 1988, 27, 1553-1557.	1.9	82

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91	Spin canting in a Dy-based single-chain magnet with dominant next-nearest-neighbor antiferromagnetic interactions. <i>Physical Review B</i> , 2009, 79, .	1.1	82
92	High-Frequency EPR Spectra for the Analysis of Magnetic Anisotropy in Large Magnetic Clusters. <i>Journal of the American Chemical Society</i> , 1995, 117, 8855-8856.	6.6	81
93	Antiferromagnetic Coupling in a Six-Coordinate High Spin Cobalt(II) π -Semiquinonato Complex. <i>Inorganic Chemistry</i> , 2002, 41, 3508-3512.	1.9	80
94	Crystal structure and magnetic properties of a copper(II) chloride nitronyl nitroxide complex containing six exchange-coupled $S = 1/2$ spins. <i>Inorganic Chemistry</i> , 1990, 29, 1756-1760.	1.9	79
95	Tuning the physical properties of a metal complex by molecular techniques: the design and the synthesis of the simplest cobalt-o-dioxolene complex undergoing valence tautomerism. <i>Journal of Molecular Structure</i> , 2003, 656, 141-154.	1.8	79
96	Ferromagnetic order in the sulfur-containing nitronyl nitroxide radical, 2-(4-thiomethyl)phenyl-4,4,5,5-tetramethylimidazoline-l-oxyl-3-oxide, NIT(SMe)Ph. <i>Advanced Materials</i> , 1995, 7, 476-478.	11.1	78
97	Magnetization Density in an Iron(III) Magnetic Cluster. A Polarized Neutron Investigation. <i>Journal of the American Chemical Society</i> , 1999, 121, 5342-5343.	6.6	78
98	EPR and SQUID magnetometry study of $\text{Cu}_2\text{FeSnS}_4$ (stannite) and $\text{Cu}_2\text{ZnSnS}_4$ (kesterite). <i>Physics and Chemistry of Minerals</i> , 2000, 27, 453-461.	0.3	78
99	Both Spacer Length and Parity Influence the Thermal and Light-Induced Properties of Iron(II) μ_2 -Bis(tetrazole-1-yl)alkane Coordination Polymers. <i>Chemistry - A European Journal</i> , 2006, 12, 2235-2243.	1.7	78
100	Magneto-Optical Investigations of Nanostructured Materials Based on Single-Molecule Magnets Monitor Strong Environmental Effects. <i>Advanced Materials</i> , 2007, 19, 3906-3911.	11.1	78
101	Manganese(III) Formate: A Three-Dimensional Framework That Traps Carbon Dioxide Molecules. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1780-1782.	7.2	77
102	Theoretical Study of the Magnetic Behavior of Hexanuclear Cu(II) and Ni(II) Polysiloxanolato Complexes. <i>Journal of the American Chemical Society</i> , 2003, 125, 6791-6794.	6.6	77
103	Preparation of Novel Materials Using SMMs. , 0, , 133-161.		77
104	One-dimensional magnetism of a linear chain compound containing yttrium(III) and a nitronyl nitroxide radical. <i>Inorganic Chemistry</i> , 1989, 28, 3230-3234.	1.9	76
105	Structure and magnetic properties of manganese(II) carboxylate chains with nitronyl nitroxides and their reduced amidino-oxide derivatives. From random-exchange one-dimensional to two-dimensional magnetic materials. <i>Inorganic Chemistry</i> , 1990, 29, 4228-4234.	1.9	76
106	Proton NMR for Measuring Quantum Level Crossing in the Magnetic Molecular Ring Fe ₁₀ . <i>Physical Review Letters</i> , 1999, 83, 227-230.	2.9	76
107	Polynuclear Lanthanide Hydroxo Complexes: New Chemical Precursors for Coordination Polymers. <i>Inorganic Chemistry</i> , 2005, 44, 7743-7750.	1.9	76
108	Ein cyclischer Octadecaeisen(III)-Komplex: ein molekulares Achtzehner-Rad. <i>Angewandte Chemie</i> , 1997, 109, 2917-2919.	1.6	75

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109	Finite-size effects on the static properties of a single-chain magnet. <i>Physical Review B</i> , 2005, 72, .	1.1	74
110	Magnetic ordering in a molecular material containing dysprosium(III) and a nitronyl nitroxide. <i>Advanced Materials</i> , 1992, 4, 504-505.	11.1	73
111	Self-Assembled Organic Radicals on Au(111) Surfaces: A Combined ToF-SIMS, STM, and ESR Study. <i>Langmuir</i> , 2007, 23, 2389-2397.	1.6	73
112	Studies of hysteresis in Mn12Ac. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 1891-1892.	1.0	72
113	Advances in Single-Molecule Magnet Surface Patterning through Microcontact Printing. <i>Nano Letters</i> , 2005, 5, 1435-1438.	4.5	72
114	Antiferromagnetic coupling between rare earth ions and semiquinones in a series of 1 \rightarrow 1 complexes. <i>Dalton Transactions</i> , 2004, , 1048-1055.	1.6	69
115	Green and low temperature synthesis of nanocrystalline transition metal ferrites by simple wet chemistry routes. <i>Nano Research</i> , 2014, 7, 1027-1042.	5.8	69
116	A decanuclear mixed-valent manganese complex with a high spin multiplicity in the ground state. <i>Journal of the American Chemical Society</i> , 1993, 115, 9299-9300.	6.6	68
117	Honeycomb Nets with Interpenetrating Frameworks Involving Iminodiacetato \rightarrow Copper(II) Blocks and Bipyridine Spacers: Syntheses, Characterization, and Magnetic Studies. <i>Inorganic Chemistry</i> , 2004, 43, 3413-3420.	1.9	68
118	Synthesis and behaviour of size controlled cyano-bridged coordination polymernanoparticles within hybrid mesoporous silica. <i>New Journal of Chemistry</i> , 2008, 32, 273-282.	1.4	68
119	Synthesis and Magnetic Properties of a Tetranuclear Copper(II) Complex with a μ_4 -1,2,3,4-Squarato Coordination Mode. Crystal Structure of $(\mu_4$ -1,2,3,4-Squarato)tetrakis[(tris(2-aminoethyl)amine)copper(II)] Perchlorate. <i>Inorganic Chemistry</i> , 1995, 34, 4903-4909.	1.9	67
120	Magneto-Structural Effects of the Jahn-Teller Distortions on 2,2'-Bipyrimidine-, (bpm-) Bridged Dinuclear Copper(II) Complexes: Crystal Structures and Magnetic Properties of [Cu ₂ (bpm)(H ₂ O) ₄ (SO ₄) ₂].nH ₂ O and [Cu ₂ (bpm)(H ₂ O) ₈](SO ₄) ₂ .nH ₂ O. <i>Inorganic Chemistry</i> , 1995, 34, 2048-2053.	1.9	67
121	Structure and magnetic properties of ferromagnetic alternating spin chains. <i>Inorganic Chemistry</i> , 1990, 29, 2582-2587.	1.9	66
122	Magnetic properties of a layered molecular material comprising manganese hexafluoroacetylacetonate and nitronyl nitroxide radicals. <i>Inorganic Chemistry</i> , 1993, 32, 4612-4616.	1.9	65
123	Phonon-Assisted Tunneling in the Quantum Regime of Mn12Acetate. <i>Physical Review Letters</i> , 2000, 85, 4807-4810.	2.9	65
124	Magnetic properties and phase transitions in molecular based materials containing rare earth ions and organic radicals (invited). <i>Journal of Applied Physics</i> , 1993, 73, 5333-5337.	1.1	64
125	Structural and redox properties of the Tempo adducts of copper(II) halides. <i>Inorganic Chemistry</i> , 1991, 30, 4474-4477.	1.9	63
126	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.	1.9	63

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127	Ni(II), Cu(II), and Zn(II) Dinuclear Metal Complexes with an Aza ^π Phenolic Ligand: Crystal Structures, Magnetic Properties, and Solution Studies. <i>Inorganic Chemistry</i> , 2003, 42, 348-357.	1.9	63
128	Synthesis of magnetic silica-based nanocomposites containing Fe ₃ O ₄ nanoparticles. <i>Journal of Materials Chemistry</i> , 2004, 14, 3026-3033.	6.7	63
129	Synthesis, Structure and Magnetic Properties of a Dinuclear Manganese(II) Complex with One π -Aqua and Two π -Carboxylato Bridges. <i>Angewandte Chemie International Edition in English</i> , 1989, 28, 1365-1367.	4.4	61
130	X-ray magnetic-circular-dichroism spectra on the superparamagnetic transition-metal ion clusters Mn ₁₂ and Fe ₈ . <i>Physical Review B</i> , 2001, 64, .	1.1	61
131	Ferromagnetically Coupled Bis(semiquinone) Ligand Enforces High-Spin Ground States in Bis-metal Complexes. <i>Inorganic Chemistry</i> , 2001, 40, 408-411.	1.9	60
132	Electric field modulation of magnetic exchange in molecular helices. <i>Nature Materials</i> , 2019, 18, 329-334.	13.3	60
133	Single-Crystal High-Frequency Electron Paramagnetic Resonance Investigation of a Tetranuclear Iron(III) Single-Molecule Magnet. <i>Journal of Physical Chemistry B</i> , 2001, 105, 2658-2663.	1.2	58
134	Thermal Deposition of Intact Tetrairon(III) Single-Molecule Magnets in High-Vacuum Conditions. <i>Small</i> , 2009, 5, 1460-1466.	5.2	58
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