

Euan K. Brechin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6876583/publications.pdf>

Version: 2024-02-01

358
papers

18,686
citations

11608

70
h-index

20307

116
g-index

398
all docs

398
docs citations

398
times ranked

6626
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of 3d Metallic Single-Molecule Magnets. , 0, , 1-67.		969
2	A Record Anisotropy Barrier for a Single-Molecule Magnet. Journal of the American Chemical Society, 2007, 129, 2754-2755.	6.6	693
3	Recipes for enhanced molecular cooling. Dalton Transactions, 2010, 39, 4672.	1.6	424
4	Toward a Magnetostructural Correlation for a Family of Mn ₆ SMMs. Journal of the American Chemical Society, 2007, 129, 12505-12511.	6.6	345
5	Cryogenic Magnetocaloric Effect in a Ferromagnetic Molecular Dimer. Angewandte Chemie - International Edition, 2011, 50, 6606-6609.	7.2	286
6	Using tripodal alcohols to build high-spin molecules and single-molecule magnets. Chemical Communications, 2005, , 5141.	2.2	278
7	[Mn ^{III} ₄ Ln ^{III} ₄] Calix[4]arene Clusters as Enhanced Magnetic Coolers and Molecular Magnets. Journal of the American Chemical Society, 2010, 132, 12983-12990.	6.6	278
8	A Dense Metal-Organic Framework for Enhanced Magnetic Refrigeration. Advanced Materials, 2013, 25, 4653-4656.	11.1	273
9	Slow Magnetic Relaxation in a Co ^{II} -Y ^{III} Single-Ion Magnet with Positive Axial Zero-Field Splitting. Angewandte Chemie - International Edition, 2013, 52, 9130-9134.	7.2	266
10	Polyoxometalate-Mediated Self-Assembly of Single-Molecule Magnets: {[XW ₉ O ₃₄] ₂ [Mn ^{III} ₄ Mn ^{II} ₂ O ₂₄]} (Angewandte Chemie - International Edition, 2008, 47, 5609-5612.	2.2	254
11	The search for 3d-4f single-molecule magnets: synthesis, structure and magnetic properties of a [Mn ^{III} 2Dy ^{III} 2] cluster. Chemical Communications, 2005, , 2086-2088.	2.2	254
12	Single-Molecule Magnets: A New Class of Tetranuclear Manganese Magnets. Inorganic Chemistry, 2000, 39, 3615-3623.	1.9	240
13	Single-Molecule Magnets: A New Family of Mn ₁₂ Clusters of Formula [Mn ₁₂ O ₈ X ₄ (O ₂ CPh) ₈ L ₆]. Journal of the American Chemical Society, 2002, 124, 3725-3736.	6.6	235
14	A Calix[4]arene 3d/4f Magnetic Cooler. Angewandte Chemie - International Edition, 2009, 48, 9928-9931.	7.2	235
15	Mixed-Valent Mn Supertetrahedra and Planar Discs as Enhanced Magnetic Coolers. Journal of the American Chemical Society, 2008, 130, 11129-11139.	6.6	219
16	Molecular coolers: The case for [Cu ^I 5Gd ^{III} 4]. Chemical Science, 2011, 2, 1166.	3.7	197
17	A Single-Molecule Magnet with a "Twist". Journal of the American Chemical Society, 2007, 129, 8-9.	6.6	192
18	Quantum Tunneling of Magnetization in a New [Mn ₁₈] ²⁺ Single-Molecule Magnet with S= 13. Journal of the American Chemical Society, 2002, 124, 9710-9711.	6.6	191

#	ARTICLE	IF	CITATIONS
19	A Ferromagnetic Mixed-Valent Mn Supertetrahedron: Towards Low-Temperature Magnetic Refrigeration with Molecular Clusters. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4456-4460.	7.2	184
20	Direct Observation of Quantum Coherence in Single-Molecule Magnets. <i>Physical Review Letters</i> , 2008, 101, 147203.	2.9	178
21	The Importance of Being Exchanged: [Gd ^{III}] ₄ M ^{II} ₈ (OH) ₈ (L) ₈ (O) ₂ CR ₂ Clusters for Magnetic Refrigeration. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4633-4636.	7.8	178
22	A Family of Manganese Rods: Syntheses, Structures, and Magnetic Properties. <i>Journal of the American Chemical Society</i> , 2004, 126, 15445-15457.	6.6	170
23	Ground state spin-switching via targeted structural distortion: twisted single-molecule magnets from derivatised salicylaldoximes. <i>Dalton Transactions</i> , 2008, , 1809-1817.	1.6	169
24	Spin-enhanced magnetocaloric effect in molecular nanomagnets. <i>Applied Physics Letters</i> , 2005, 87, 072504.	1.5	166
25	Net Toroidal Magnetic Moment in the Ground State of a {Dy ₆ }-Triethanolamine Ring. <i>Journal of the American Chemical Society</i> , 2012, 134, 18554-18557.	6.6	157
26	An Ni ₄ Single-Molecule Magnet: Synthesis, Structure and Low-Temperature Magnetic Behavior. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 2219-2222.	1.0	152
27	Polymetallic Cobalt and Manganese Cages with Phosphinate and Phosphonate Ligands. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2700-2703.	7.2	149
28	Increasing the dimensionality of cryogenic molecular coolers: Gd-based polymers and metal-organic frameworks. <i>Chemical Communications</i> , 2012, 48, 7592.	2.2	147
29	1,2,3-Triazolate-Bridged Tetradecametallic Transition Metal Clusters [M ₁₄ (L) ₆ O ₆ (OMe) ₁₈ X ₆] (M = Fe ^{III} , Tj ETQq1 1 0.784314 rgBT / O) Spin-Enhanced Magnetocaloric Effect. <i>Inorganic Chemistry</i> , 2007, 46, 4968-4978.	1.9	146
30	Attempting to understand (and control) the relationship between structure and magnetism in an extended family of Mn ₆ single-molecule magnets. <i>Dalton Transactions</i> , 2009, , 3403.	1.6	146
31	Spin Switching via Targeted Structural Distortion. <i>Journal of the American Chemical Society</i> , 2007, 129, 6547-6561.	6.6	144
32	Synthesis, Structure, and Magnetic Properties of a [Mn ₂₂] Wheel-like Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2004, 43, 4203-4209.	1.9	142
33	Large Spin Differences in Structurally Related Fe ₆ Molecular Clusters and Their Magnetostructural Explanation. <i>Inorganic Chemistry</i> , 2004, 43, 5505-5521.	1.9	140
34	A new class of single-molecule magnets: mixed-valent [Mn ₄ (O ₂ CMe) ₂ (Hpdm) ₆][ClO ₄] ₂ with an S = 8 ground state. <i>Chemical Communications</i> , 1999, , 783-784.	2.2	137
35	Family of Carboxylate- and Nitrate-diphenoxo Triply Bridged Dinuclear Ni ^{II} Ln ^{III} Complexes (Ln = Eu, Gd, Tb, Ho, Er, Y): Synthesis, Experimental and Theoretical Magneto-Structural Studies, and Single-Molecule Magnet Behavior. <i>Inorganic Chemistry</i> , 2012, 51, 5857-5868.	1.9	132
36	Magnetic quantum tunneling: insights from simple molecule-based magnets. <i>Dalton Transactions</i> , 2010, 39, 4693.	1.6	129

#	ARTICLE	IF	CITATIONS
37	Solvothermal Synthesis of a Tetradecametallic FeIII Cluster. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3781-3784.	7.2	127
38	Strategy for the Rational Design of Asymmetric Triply Bridged Dinuclear 3d-4f Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2011, 50, 7268-7273.	1.9	125
39	Selective Metal Cation Capture by Soft Anionic Metal-Organic Frameworks via Drastic Single-Crystal-to-Single-Crystal Transformations. <i>Journal of the American Chemical Society</i> , 2012, 134, 9581-9584.	6.6	121
40	Dilution-Triggered SMM Behavior under Zero Field in a Luminescent Zn ₂ Dy ₂ Tetranuclear Complex Incorporating Carbonato-Bridging Ligands Derived from Atmospheric CO ₂ Fixation. <i>Inorganic Chemistry</i> , 2013, 52, 9620-9626.	1.9	113
41	New Routes to Polymetallic Clusters: Fluoride-Based Tri-, Deca-, and Hexacosametallic MnIII Clusters and their Magnetic Properties. <i>Chemistry - A European Journal</i> , 2004, 10, 5180-5194.	1.7	110
42	Calix[4]arene-Based Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8285-8288.	7.2	109
43	A [Mn ₃₂] Double-Decker Wheel. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4441-4444.	7.2	109
44	Linking Centered Manganese Triangles into Larger Clusters: A {Mn ₃₂ } Truncated Cube. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6540-6543.	7.2	107
45	Octametallic and Hexadecametallic Ferric Wheels. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4318-4321.	7.2	104
46	Synthesis, structural characterisation and preliminary magnetic studies of a tetraicosanuclear cobalt coordination complex. <i>Chemical Communications</i> , 1997, , 653-654.	2.2	102
47	Twisted molecular magnets. <i>Chemical Communications</i> , 2012, 48, 181-190.	2.2	102
48	Synthetic and magnetic studies of a dodecanuclear cobalt wheel. <i>Chemical Communications</i> , 2002, , 1860-1861.	2.2	100
49	Microwave-Assisted Synthesis of a Hexanuclear MnIIISingle-Molecule Magnet. <i>Inorganic Chemistry</i> , 2006, 45, 5272-5274.	1.9	98
50	Bifunctional Zn ^{II} Ln ^{III} Dinuclear Complexes Combining Field Induced SMM Behavior and Luminescence: Enhanced NIR Lanthanide Emission by 9-Anthracene Carboxylate Bridging Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 1465-1474.	1.9	95
51	Closely-Related Zn ^{II} ₂ Ln ^{III} ₂ Complexes (Ln ^{III} = Gd, Yb) with Either Magnetic Refrigerant or Luminescent Single-Molecule Magnet Properties. <i>Inorganic Chemistry</i> , 2014, 53, 3586-3594.	1.9	93
52	A new class of single-molecule magnet: [Mn ₉ O ₇ (OAc) ₁₁ (thme)(py) ₃ (H ₂ O) ₂] with an S = 17/2 ground state. <i>Chemical Communications</i> , 2002, , 2252-2253.	2.2	91
53	Studies of an Enneanuclear Manganese Single-Molecule Magnet. <i>Journal of the American Chemical Society</i> , 2005, 127, 5572-5580.	6.6	90
54	Twisting, bending, stretching: strategies for making ferromagnetic [MnIII ₃] triangles. <i>Dalton Transactions</i> , 2009, , 9157.	1.6	90

#	ARTICLE	IF	CITATIONS
55	Mn ₄ single-molecule magnets with a planar diamond core and S = 9. <i>Polyhedron</i> , 2003, 22, 1857-1863.	1.0	87
56	Building Molecular Minerals: All Ferric Pieces of Molecular Magnetite. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5772-5775.	7.2	87
57	A Mixed-Valence Manganese Cubane Trapped by Inequivalent Trilacunary Polyoxometalate Ligands. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9154-9157.	7.2	86
58	Magnetization tunneling in single-molecule magnets. <i>Polyhedron</i> , 2001, 20, 1479-1488.	1.0	84
59	Synthesis and characterisation of a Ni ₄ single-molecule magnet with S ₄ symmetry. <i>Dalton Transactions</i> , 2008, , 6409.	1.6	83
60	Single-Molecule Magnets: Structure and Properties of [Mn ₁₈ O ₁₄ (O ₂ CMe) ₁₈ (hep) ₄ (hepH) ₂ (H ₂ O) ₂](ClO ₄) ₂ with Spin S = 13. <i>Inorganic Chemistry</i> , 2005, 44, 502-511.	1.9	82
61	What Controls the Magnetic Interaction in bis(alkoxo) Mn ^{III} Dimers? A Combined Experimental and Theoretical Exploration. <i>Chemistry - A European Journal</i> , 2012, 18, 5906-5918.	1.7	81
62	Resonant Quantum Tunneling in a New Tetranuclear Iron(III)-Based Single-Molecule Magnet. <i>Advanced Materials</i> , 2004, 16, 1101-1105.	11.1	80
63	Synthesis, structure and magnetic properties of a decametallc Ni single-molecule magnet. <i>Chemical Communications</i> , 2005, , 5038.	2.2	79
64	Ferromagnetic Cobalt Metalloccycles. <i>Inorganic Chemistry</i> , 2006, 45, 7038-7040.	1.9	79
65	Enhancing SMM properties in a family of [Mn ₆] clusters. <i>Chemical Communications</i> , 2007, , 3476.	2.2	79
66	Magnetocaloric effect in spin-degenerated molecular nanomagnets. <i>Physical Review B</i> , 2009, 79, .	1.1	79
67	1D chains of Mn ₆ single-molecule magnets. <i>Chemical Communications</i> , 2009, , 2023.	2.2	75
68	Calix[4]arene-supported Fe ^{III} Ln ^{III} ₂ clusters. <i>Chemical Communications</i> , 2011, 47, 9042.	2.2	75
69	Theoretical Methods Enlighten Magnetic Properties of a Family of Mn ₆ Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2009, 48, 8012-8019.	1.9	74
70	A Family of Calix[4]arene-Supported [Mn ^{III}] ₂ Mn ^{II} ₂ Clusters. <i>Chemistry - A European Journal</i> , 2011, 17, 7521-7530.	1.7	74
71	Magnetism in metal-organic capsules. <i>Chemical Communications</i> , 2010, 46, 3484.	2.2	73
72	Single-Molecule Magnetism, Enhanced Magnetocaloric Effect, and Toroidal Magnetic Moments in a Family of Ln ₄ Squares. <i>Chemistry - A European Journal</i> , 2015, 21, 15639-15650.	1.7	72

#	ARTICLE	IF	CITATIONS
73	High-Spin M ₂ + Carboxylate Triangles from the Microwave. <i>Inorganic Chemistry</i> , 2006, 45, 7053-7055.	1.9	71
74	Studies on bifunctional Fe(ⁱⁱ)-triazole spin crossover nanoparticles: time-dependent luminescence, surface grafting and the effect of a silica shell and hydrostatic pressure on the magnetic properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7819-7829.	2.7	69
75	New routes to high nuclearity cages: a fluoride-based hexacosametallic manganese cage. <i>Chemical Communications</i> , 2002, , 2974-2975.	2.2	68
76	[Mn ₆] under Pressure: A Combined Crystallographic and Magnetic Study. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2828-2831.	7.2	68
77	Dodecanuclear and octanuclear manganese rods. <i>Chemical Communications</i> , 2003, , 1276.	2.2	67
78	Breakdown of the Giant Spin Model in the Magnetic Relaxation of the Mn ₆ Nanomagnets. <i>Physical Review Letters</i> , 2008, 100, 157203.	2.9	67
79	Heterometallic complexes containing d- and f-block elements: synthesis and structural characterisation of novel Ni ^{Er} and Co ^{Dy} compounds. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 1665-1666.	1.1	65
80	A Novel Undecametallic Iron(III) Cluster with an S=11/2 Spin Ground State. <i>Inorganic Chemistry</i> , 2003, 42, 6601-6603.	1.9	65
81	On the origin of ferromagnetism in oximate-based [Mn ₃ O] ₇ +triangles. <i>Dalton Transactions</i> , 2008, , 234-240.	1.6	65
82	Calix[4]arene-supported rare earth octahedra. <i>Chemical Communications</i> , 2012, 48, 1449-1451.	2.2	65
83	A Cube in a Tetrahedron: Microwave-Assisted Synthesis of an Octametallic Fe ^{III} Cluster. <i>Inorganic Chemistry</i> , 2006, 45, 5281-5283.	1.9	64
84	Enhancing SMM properties via axial distortion of Mn ^{III} clusters. <i>Chemical Communications</i> , 2008, , 5924.	2.2	64
85	Antiferromagnetic versus Ferromagnetic Exchange Interactions in Bis(^{1/4} -oximate) ₂ dinickel(II) Units for a Series of Closely Related Cube Shaped Carboxamideoximate-Bridged Ni ₄ Complexes. A Combined Experimental and Theoretical Magneto-Structural Study. <i>Inorganic Chemistry</i> , 2010, 49, 10156-10165.	1.9	64
86	A flow-system array for the discovery and scale up of inorganic clusters. <i>Nature Chemistry</i> , 2012, 4, 1037-1043.	6.6	63
87	Ground Spin State Changes and ³ D Networks of Exchange Coupled [Mn ^{III}] ₃ Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2008, 14, 9117-9121.	1.7	62
88	A Family of Polynuclear Cobalt and Nickel Complexes Stabilised by 2-Pyridonate and Carboxylate Ligands. <i>Chemistry - A European Journal</i> , 2000, 6, 883-896.	1.7	61
89	Metal ^{Organic} Calixarene Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4205-4208.	7.2	61
90	A Family of [Mn ₆] Complexes Featuring Tripodal Ligands. <i>Inorganic Chemistry</i> , 2006, 45, 6782-6793.	1.9	59

#	ARTICLE	IF	CITATIONS
91	A rare ferromagnetic manganese(III) μ_3 -cube TM . <i>Chemical Communications</i> , 2007, , 153-155.	2.2	59
92	Pressure-induced Jahn-Teller switching in a Mn ₁₂ nanomagnet. <i>Chemical Communications</i> , 2010, 46, 1881-1883.	2.2	57
93	Calixarene supported enneanuclear Cu(II) clusters. <i>Chemical Communications</i> , 2010, 46, 3884.	2.2	57
94	Density functional calculations of a tetradecametallc iron(III) cluster with a very large spin ground state.. <i>Chemical Communications</i> , 2004, , 1476.	2.2	56
95	Enhancing U _{eff} in oxime-bridged [Mn ^{III} 6Ln ^{III} 2] hexagonal prisms. <i>Dalton Transactions</i> , 2011, 40, 4797.	1.6	56
96	New polynuclear nickel complexes with a variety of pyridonate and carboxylate ligands. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 1983.	2.0	53
97	New hexanuclear and octanuclear iron(III) oxide clusters: octahedral [Fe ₆ O ₂] ¹⁴⁺ species and core isomerism in [Fe ₈ O ₄] ¹⁶⁺ complexes. <i>Inorganica Chimica Acta</i> , 2000, 297, 389-399.	1.2	53
98	The use of methylsalicyloxime in manganese chemistry: A triangle and its oxidation to a rod. <i>Inorganica Chimica Acta</i> , 2007, 360, 3932-3940.	1.2	53
99	Turning up the spin, turning on single-molecule magnetism: from S = 1 to S = 7 in a [Mn ₈] cluster via ligand induced structural distortion. <i>Chemical Communications</i> , 2007, , 2738.	2.2	52
100	High-Spin Mn Wheels. <i>Inorganic Chemistry</i> , 2007, 46, 6968-6979.	1.9	52
101	A ferromagnetically coupled diphenoxo-bridged Gd ³⁺ -Mn ²⁺ dinuclear complex with a large magneto-caloric effect. <i>Chemical Communications</i> , 2013, 49, 3845.	2.2	52
102	Probing the origin of the giant magnetic anisotropy in trigonal bipyramidal Ni(II) under high pressure. <i>Chemical Science</i> , 2018, 9, 1551-1559.	3.7	52
103	Chiral single-molecule magnets: a partial Mn(III) supertetrahedron from achiral components. <i>Chemical Communications</i> , 2011, 47, 3090.	2.2	51
104	Nanoscale Cages of Manganese and Nickel with μ_6 -Rock Salt Cores. <i>Journal of the American Chemical Society</i> , 1998, 120, 7365-7366.	6.6	49
105	Supertetrahedral decametallc Ni(II) clusters directed by μ_6 -tris-alkoxides. <i>Chemical Communications</i> , 2004, , 1418-1419.	2.2	49
106	A Mn ₄ cubane and a novel Mn ₁₀ Mn ₄ cluster from the use of di-2-pyridyl ketone in manganese acetate chemistry. <i>Dalton Transactions</i> , 2009, , 307-317.	1.6	49
107	New Routes to High Nuclearity Clusters: A Fluoride-Based Octametallc and Tridecametallc Clusters of Manganese. <i>Inorganic Chemistry</i> , 2003, 42, 6971-6973.	1.9	48
108	Using pyridine amidoximes in 3d-metal cluster chemistry: a novel ferromagnetic Ni ₁₂ complex from the use of pyridine-2-amidoxime. <i>Dalton Transactions</i> , 2008, , 3153.	1.6	48

#	ARTICLE	IF	CITATIONS
109	High pressure induced spin changes and magneto-structural correlations in hexametallic SMMs. Dalton Transactions, 2009, , 4858.	1.6	47
110	Pressure-Driven Orbital Reorientations and Coordination-Sphere Reconstructions in [CuF ₂ (H ₂ O) ₂ (pyz)]. Angewandte Chemie - International Edition, 2012, 51, 7490-7494.	7.2	47
111	Microwave heating – A new synthetic tool for cluster synthesis. Polyhedron, 2007, 26, 1927-1933.	1.0	46
112	Constructing clusters with enhanced magnetic properties by assembling and distorting Mn ₃ building blocks. Dalton Transactions, 2009, , 2812.	1.6	46
113	Polymetallic clusters of iron(III) with derivatised salicylaldoximes. Dalton Transactions, 2008, , 2043.	1.6	45
114	Synthesis, structure and magnetic properties of a trinuclear [Mn ^{III} Mn ^{II}] ₂ single-molecule magnet. Chemical Communications, 2005, , 2083.	2.2	44
115	Squaring the cube: a family of octametallic lanthanide complexes including a Dy ₈ single-molecule magnet. Dalton Transactions, 2013, 42, 14693.	1.6	44
116	A Highly Reduced Vanadium(III/IV) Polyoxovanadate Comprising an Octavanadyl Square-Prism Surrounding a Dimetallic Vanadium(III) Fragment. Journal of the American Chemical Society, 2006, 128, 9020-9021.	6.6	43
117	Four Cubes and An Octahedron: A Nickel-Sodium Supracage Assembly. Journal of the American Chemical Society, 1996, 118, 11293-11294.	6.6	42
118	Wheel-like Mn ^{II} ₆ and Ni ^{II} ₆ complexes from the use of 2-pyridinealdoxime and carboxylates. Dalton Transactions, 2010, 39, 3563.	1.6	42
119	Synthesis, Structure, and Magnetism of a Family of Heterometallic {Cu ₂ Ln ₇ } and {Cu ₄ Ln ₁₂ } (Ln = Gd, Tb). J. Am. Chem. Soc. 2014, 136, 13154-13161.	1.9	42
120	[Cr ^{III}] ₈ M ^{II} ₆ Coordination Cubes (M ^{II} = Cu, Co). Angewandte Chemie - International Edition, 2015, 54, 6761-6764.	7.2	42
121	Tuning magnetic properties using targeted structural distortion: New additions to a family of Mn ₆ single-molecule magnets. Inorganica Chimica Acta, 2008, 361, 3420-3426.	1.2	40
122	Supramolecular Entanglement from Interlocked Molecular Nanomagnets. Crystal Growth and Design, 2009, 9, 24-27.	1.4	40
123	A centred, elongated ‘ferric tetrahedron’™ with an S = 15/2 spin ground state. Dalton Transactions, 2004, , 975-976.	1.6	39
124	Polymerisation of a Cu(II) dimer into 1D chains using high pressure. CrystEngComm, 2009, 11, 2601.	1.3	39
125	Rare Oxidation-State Combinations and Unusual Structural Motifs in Hexanuclear Mn Complexes Using 2-Pyridyloximate Ligands. Inorganic Chemistry, 2010, 49, 4388-4390.	1.9	39
126	A new class of single-molecule magnets: mixed-valent [Mn ₁₂ O ₈ Cl ₄ (O ₂ CPh) ₈ (hmp) ₆]. Chemical Communications, 2001, , 467-468.	2.2	38

#	ARTICLE	IF	CITATIONS
127	Tunable Dipolar Magnetism in High-Spin Molecular Clusters. <i>Physical Review Letters</i> , 2006, 97, 167202.	2.9	38
128	A family of double-bowl pseudo metallocalix[6]arene discs. <i>Dalton Transactions</i> , 2010, 39, 4809.	1.6	38
129	1,10-Phenanthroline-5,6-dione complexes of middle transition elements: Mono- and dinuclear derivatives. <i>Inorganica Chimica Acta</i> , 2008, 361, 2375-2384.	1.2	37
130	CO ₂ as a reaction ingredient for the construction of metal cages: a carbonate-panelled [Gd ₆ Cu ₃] tridiminished icosahedron. <i>Chemical Communications</i> , 2014, 50, 3498-3500.	2.2	37
131	Two new hexanuclear iron(III) complexes with S _A = 5 ground states. <i>Dalton Transactions RSC</i> , 2002, , 4005-4010.	2.3	36
132	New structural types and different oxidation levels in the family of Mn ₆ -oxime single-molecule magnets. <i>Dalton Transactions</i> , 2008, , 6205.	1.6	36
133	Planar [Ni ₇] discs as double-bowl, pseudometallocalix[6]arenehost cavities. <i>CrystEngComm</i> , 2010, 12, 59-63.	1.3	36
134	Making "wheels" and "cubes" from triangles. <i>Dalton Transactions</i> , 2006, , 3161-3163.	1.6	35
135	The use of di-2-pyridyl ketone in manganese(II) benzoate chemistry: Two novel linkage isomers containing the ketone form of the ligand and a neutral cubane containing the ligand in its gem-diolate(-1) form. <i>Inorganic Chemistry Communication</i> , 2008, 11, 196-202.	1.8	35
136	Grafting Derivatives of Mn ₆ Single-Molecule Magnets with High Anisotropy Energy Barrier on Au(111) Surface. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9729-9735.	1.2	35
137	Facile Interchange of 3d and 4f Ions in Single-Molecule Magnets: Stepwise Assembly of [Mn ₄], [Mn ₃ Ln] and [Mn ₂ Ln ₂] Cages within Calix[4]arene Scaffolds. <i>Chemistry - A European Journal</i> , 2015, 21, 11212-11218.	1.7	35
138	Calix[4]arene supported clusters: a dimer of [MnIII MnII] dimers. <i>Chemical Communications</i> , 2011, 47, 1440-1442.	2.2	34
139	Calixarene-supported clusters: employment of complementary cluster ligands for the construction of a ferromagnetic [Mn ₅] cage. <i>Chemical Communications</i> , 2012, 48, 11190.	2.2	34
140	Muons as a probe of magnetism in molecule-based low dimensional magnets. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S4563-S4582.	0.7	33
141	Two Frustrated, Bitetrahedral Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2007, 46, 6215-6217.	1.9	33
142	<i>p</i> -tert-Butylcalix[8]arene: An Extremely Versatile Platform for Cluster Formation. <i>Chemistry - A European Journal</i> , 2012, 18, 16014-16022.	1.7	33
143	From antiferromagnetic to ferromagnetic exchange in a family of oxime-based MnIII dimers: a magneto-structural study. <i>Dalton Transactions</i> , 2013, 42, 16510.	1.6	33
144	Nanoscale Control of Polyoxometalate Assembly: A {Mn ₈ W ₄ } Cluster within a {W ₃₆ Si ₄ Mn ₁₀ } Cluster Showing a New Type of Isomerism. <i>Chemistry - A European Journal</i> , 2013, 19, 2976-2981.	1.7	33

#	ARTICLE	IF	CITATIONS
145	Clusters from Vertex- and Face-Sharing Adamantane-Like Units: A New Topology for Multinuclear Complexes. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1967-1969.	4.4	32
146	Manganese (III) fluoride as a new synthon in Mn cluster chemistry. <i>Polyhedron</i> , 2005, 24, 2443-2449.	1.0	32
147	1,1,1-Tris(hydroxymethyl)propane in manganese carboxylate chemistry: synthesis, structure and magnetic properties of a mixed-valence [Mn ^{III} ₄ Mn ^{II} ₄] cluster featuring the novel [Mn ^{III} ₄ Mn ^{II} ₄ ($\frac{1}{4}$ 3-OR) ₆ ($\frac{1}{4}$ 2-OR) ₈] ₆ +core. <i>Dalton Transactions</i> , 2006, , 351-356.	1.6	32
148	A New Polynuclear Coordination Type for (Salicylaldoxime)copper(II) Complexes: Structure and Magnetic Properties of an (Oxime)Cu ₆ Cluster. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4613-4617.	1.0	32
149	Desolvating cubes and linking prisms: routes to high-nuclearity cobalt complexes. <i>Chemical Communications</i> , 1996, , 1439.	2.2	31
150	Magnetization tunneling in an enneanuclear manganese cage. <i>Polyhedron</i> , 2003, 22, 1771-1775.	1.0	31
151	New Mn ₁₂ single-molecule magnets from edge-sharing bioctahedra. <i>Dalton Transactions</i> , 2006, , 2285.	1.6	31
152	Vibrational coherences in manganese single-molecule magnets after ultrafast photoexcitation. <i>Nature Chemistry</i> , 2020, 12, 452-458.	6.6	31
153	Pressure induced enhancement of the magnetic ordering temperature in rhenium(IV) monomers. <i>Nature Communications</i> , 2016, 7, 13870.	5.8	30
154	Structural studies of heptanuclear cobalt complexes and larger oligomers based on heptanuclear fragments. <i>Dalton Transactions RSC</i> , 2000, , 3242-3252.	2.3	29
155	Magnetic and theoretical characterization of a ferromagnetic Mn(III) dimer. <i>Polyhedron</i> , 2005, 24, 2450-2454.	1.0	29
156	Fe(III) clusters built with tripodal alcohol ligands. <i>Polyhedron</i> , 2006, 25, 325-333.	1.0	29
157	A ligand-field study of the ground spin-state magnetic anisotropy in a family of hexanuclear Mn(III) single-molecule magnets. <i>Dalton Transactions</i> , 2008, , 2277.	1.6	29
158	Pressure-induced switching in a copper(II) citrate dimer. <i>CrystEngComm</i> , 2010, 12, 2516.	1.3	29
159	Bis-tris propane as a new multidentate ligand for nickel- and cobalt-based spin clusters. <i>Dalton Transactions</i> , 2011, 40, 334-336.	1.6	29
160	Two-dimensional frameworks built from Single-Molecule Magnets. <i>CrystEngComm</i> , 2012, 14, 1216.	1.3	29
161	Chiral Single-Chain Magnet: Helically Stacked [Mn ^{III} ₂ Cu ^{II}] Triangles. <i>Inorganic Chemistry</i> , 2014, 53, 4272-4274.	1.9	29
162	Studies of a linear single-molecule magnet. <i>Dalton Transactions</i> , 2007, , 5282.	1.6	28

#	ARTICLE	IF	CITATIONS
163	Ferromagnetic Ni ^{II} Discs. Chemistry - A European Journal, 2009, 15, 12389-12398.	1.7	28
164	Ferromagnetic manganese μ_3 from PSII to single-molecule magnets. Dalton Transactions, 2010, 39, 4777.	1.6	28
165	Magnetic Properties of Two New Fe ₄ Single-Molecule Magnets in the Solid State and in Frozen Solution. Chemistry - A European Journal, 2010, 16, 10178-10185.	1.7	27
166	Progressive decoration of pentanuclear Cu(II) 12-metallacrown-4 nodes towards targeted 1- and 2D extended networks. CrystEngComm, 2013, 15, 6672.	1.3	27
167	A family of cationic oxime-based hexametallc manganese(III) single-molecule magnets. Dalton Transactions, 2014, 43, 4408-4414.	1.6	27
168	Magnetic and magnetocaloric properties of an unusual family of carbonate-panelled [LnIII ₆ ZnII ₂] cages. Dalton Transactions, 2015, 44, 10315-10320.	1.6	27
169	Molecular nanoclusters as magnetic refrigerants: The case of Fe ₁₄ with very large spin ground-state. Polyhedron, 2005, 24, 2573-2578.	1.0	26
170	Investigating the solid state hosting abilities of homo- and hetero-valent [Co ₇] metallocalix[6]arenes. Dalton Transactions, 2012, 41, 5610.	1.6	26
171	Structurally Flexible and Solution Stable [Ln ₄ TM ₈ (OH) ₈ (L) ₈ (O ₂ CR) ₈ (MeOH) ₈]·xH ₂ O: A Playground for Magnetic Refrigeration. Inorganic Chemistry, 2016, 55, 10535-10546.	1.5	26
172	New routes to high nuclearity cages: dimerisation of a manganese triangle via solvothermal synthesis. Chemical Communications, 2003, , 2330-2331.	2.2	25
173	Ferromagnetic [Mn ₃] Single-Molecule Magnets and Their Supramolecular Networks. Australian Journal of Chemistry, 2009, 62, 1108.	0.5	25
174	Addressing the magnetic properties of sub-monolayers of single-molecule magnets by X-ray magnetic circular dichroism. Nanoscale, 2010, 2, 2698.	2.8	25
175	CollLnIII dinuclear complexes (LnIII = Gd, Tb, Dy, Ho and Er) as platforms for 1,5-dicyanamide-bridged tetranuclear Coll ₂ LnIII ₂ complexes: A magneto-structural and theoretical study. Comptes Rendus Chimie, 2012, 15, 878-888.	0.2	25
176	Metamagnetic behaviour in a new Cu(II)Re(IV) chain based on the hexachlororhenate(IV) anion. Chemical Communications, 2014, 50, 5840.	2.2	25
177	A new family of Mn ₆ SMMs using phosphinate ligands. Dalton Transactions, 2010, 39, 4826.	1.6	24
178	Building Fe(III) clusters with derivatised salicylaldoximes. Dalton Transactions, 2010, 39, 2727.	1.6	24
179	A cationic and ferromagnetic hexametallc Mn(III) single-molecule magnet based on the salicylamidoxime ligand. Dalton Transactions, 2013, 42, 12824.	1.6	24
180	An [Fe ^{III}] ₃₄ Molecular Metal Oxide. Angewandte Chemie - International Edition, 2019, 58, 16903-16906.	7.2	24

#	ARTICLE	IF	CITATIONS
181	Novel octanuclear and enneanuclear manganese clusters with carboxylate and pyrimidine ligands. Dalton Transactions, 2003, , 513-514.	1.6	23
182	Tetrahedra, Superâ€Tetrahedra, Bipyramids, Boxes and More: Polymetallic Clusters of Benzotriazole. European Journal of Inorganic Chemistry, 2006, 2006, 2725-2733.	1.0	23
183	Electronic structure of aMn6(S=4)single molecule magnet grafted on Au(111). Physical Review B, 2008, 77, .	1.1	23
184	High pressure studies of hydroxo-bridged Cu(II) dimers. Dalton Transactions, 2010, 39, 113-123.	1.6	23
185	Effect of Protonated Organic Cations and Anionâ€™ Interactions on the Magnetic Behavior of Hexabromorhenate(IV) Salts. Crystal Growth and Design, 2015, 15, 2598-2601.	1.4	23
186	Theoretical Study of the Magnetic Behavior of [Fe8] and [Fe16] Wheels. Inorganic Chemistry, 2004, 43, 5410-5415.	1.9	22
187	Assembling molecular triangles into discrete and infinite architectures. CrystEngComm, 2010, 12, 2064.	1.3	22
188	Molecular multifunctionality preservation upon surface deposition for a chiral single-molecule magnet. Chemical Science, 2019, 10, 3065-3073.	3.7	22
189	Exploiting hostâ€™guest chemistry to manipulate magnetic interactions in metallosupramolecular M₄L₆ tetrahedral cages. Chemical Science, 2021, 12, 5134-5142.	3.7	22
190	A high-spin molecular wheel from self-assembled â€Mn rodsâ€™. Dalton Transactions, 2007, , 532-534.	1.6	21
191	Influence of antisymmetric exchange interaction on quantum tunneling of magnetization in a dimeric molecular magnetMn6. Physical Review B, 2008, 78, .	1.1	21
192	A comparative EPR study of high- and low-spin Mn6 single-molecule magnets. Polyhedron, 2009, 28, 1788-1791.	1.0	21
193	Inelastic neutron scattering and frequency-domain magnetic resonance studies ofS=4andS=12Mn6single-molecule magnets. Physical Review B, 2010, 81, .	1.1	21
194	Oxalix[3]arene-supported supertetrahedron. Chemical Communications, 2012, 48, 9263.	2.2	21
195	Cryogenic magnetocaloric effect in the Fe17 molecular nanomagnet. Polyhedron, 2013, 52, 1177-1180.	1.0	21
196	Circular serendipity: <i>in situ</i> ligand transformation for the self-assembly of an hexadecametallic [Cu^{II}₁₆] wheel. Chemical Communications, 2014, 50, 15002-15005.	2.2	21
197	Encouraging Chromium(III) Ions to Form Larger Clusters: Syntheses, Structures, Magnetic Properties and Theoretical Studies of Di- and Octametallic Cr Clusters. European Journal of Inorganic Chemistry, 2006, 2006, 3382-3392.	1.0	20
198	Rare tetranuclear mixed-valent [MnII2MnIV2] clusters as building blocks for extended networks. Dalton Transactions, 2008, , 4917.	1.6	20

#	ARTICLE	IF	CITATIONS
199	A 1-D coordination polymer based on a Mn ₄₀ octagonal super-structure. <i>Chemical Communications</i> , 2013, 49, 1061.	2.2	20
200	Combining Complementary Ligands into one Framework for the Construction of a Ferromagnetically Coupled [Mn ^{III}] ₁₂ Wheel. <i>Chemistry - A European Journal</i> , 2014, 20, 3010-3013.	1.7	20
201	The Effect of Crystal Packing and Re ^{IV} Ions on the Magnetisation Relaxation of [Mn ₆]-Based Molecular Magnets. <i>Chemistry - A European Journal</i> , 2015, 21, 8790-8798.	1.7	20
202	Linked Supramolecular Building Blocks for Enhanced Cluster Formation. <i>Chemistry - A European Journal</i> , 2015, 21, 2804-2812.	1.7	20
203	In search of molecules displaying ferromagnetic exchange: multiple-decker Ni ₁₂ and Ni ₁₆ complexes from the use of pyridine-2-amidoxime. <i>Dalton Transactions</i> , 2016, 45, 17409-17419.	1.6	20
204	Polynuclear manganese amino acid complexes. <i>Dalton Transactions</i> , 2010, 39, 7943.	1.6	19
205	Hexametallic manganese clusters with bulky derivatised salicylaldoximes. <i>Dalton Transactions</i> , 2011, 40, 1693.	1.6	19
206	Switching the orientation of Jahn-Teller axes in oxime-based Mn ^{III} dimers and its effect upon magnetic exchange: a combined experimental and theoretical study. <i>Dalton Transactions</i> , 2015, 44, 19805-19811.	1.6	19
207	Copper Keplerates: High-Symmetry Magnetic Molecules. <i>ChemPhysChem</i> , 2016, 17, 55-60.	1.0	19
208	In situ redox reactions facilitate the assembly of a mixed-valence metal-organic nanocapsule. <i>Nature Communications</i> , 2018, 9, 2119.	5.8	19
209	Overcrowding leads to prism reform: new polyhedra for polymetallic cages. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 3405-3406.	1.1	18
210	Synthesis and characterisation of a mixed-valence Mn ₁₃ complex with S ₆ symmetry by using 2-phenoxybenzoate. <i>Dalton Transactions</i> , 2007, , 728-730.	1.6	18
211	A F-bridged Mn(II) molecular square. <i>Chemical Communications</i> , 2009, , 7024.	2.2	18
212	MCD spectroscopy of hexanuclear Mn(III) salicylaldoxime single-molecule magnets. <i>Dalton Transactions</i> , 2010, 39, 9904.	1.6	18
213	Heterometallic Oximate-Bridged Linear Trinuclear Ni ^{II} a ^{III} a ^{II} (M ^{III} = Mn, Fe, Tb) Complexes Constructed with the <i>fac</i> -O ₃ [Ni(HL) ₃] ⁺ Metalloligand (H ₂ L = pyrimidine-2-carboxamide oxime): A 1.0 Theoretical and Experimental Magneto-Structural Study. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5225-5232.		18
214	[M ^{II} 2M ^{III}] ⁿ⁺ trigonal bipyramidal cages based on diamagnetic and paramagnetic metalloligands. <i>Chemical Science</i> , 2017, 8, 5526-5535.	3.7	18
215	Complex chemistry of 2,2,6,6-tetramethyl-4-(2,2,6,6-terpyridin-4-yl)oxy)piperidin-1-oxyl, a spin-labelled terpyridine. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 2477-2482.	1.1	17
216	High pressure effects on a trimetallic Mn ^{II} /III SMM. <i>Dalton Transactions</i> , 2009, , 7390.	1.6	17

#	ARTICLE	IF	CITATIONS
217	Calixarene-supported rare-earth clusters: heteroatom bridge influences cluster composition. <i>Chemical Communications</i> , 2012, 48, 8493.	2.2	17
218	Self-Assembly of the Hexabromorhenate(IV) Anion with Protonated Benzotriazoles: X-ray Structure and Magnetic Properties. <i>Crystal Growth and Design</i> , 2014, 14, 5985-5990.	1.4	17
219	A truncated [MnIII ₁₂] tetrahedron from oxime-based [MnIII ₃ O] building blocks. <i>Dalton Transactions</i> , 2014, 43, 10690-10694.	1.6	17
220	A New Family of 3 <i>d</i> -f Bis-Calix[4]arene-Supported Clusters. <i>Chemistry - A European Journal</i> , 2017, 23, 14073-14079.	1.7	17
221	Modular [Fe ^{III} ₈ M ^{II} ₆] ⁿ⁺ (M ^{II} = Pd, Co, Ni, Cu) Coordination Cages. <i>Inorganic Chemistry</i> , 2018, 57, 3500-3506.	1.9	17
222	Site-Specific Metal Chelation Facilitates the Unveiling of Hidden Coordination Sites in an Fe ^{II} /Fe ^{III} -Seamed Pyrogallol[4]arene Nanocapsule. <i>Journal of the American Chemical Society</i> , 2018, 140, 15611-15615.	6.6	17
223	Pressure-and temperature induced phase transitions, piezochromism, NLC behaviour and pressure controlled Jahn-Teller switching in a Cu-based framework. <i>Chemical Science</i> , 2020, 11, 8793-8799.	3.7	17
224	Molecular Nanomagnets. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 376, 301-313.	0.4	16
225	Frozen-solution magnetisation dynamics of hexanuclear oxime-based MnIII Single-Molecule Magnets. <i>Chemical Science</i> , 2010, 1, 631.	3.7	16
226	Accidentally on purpose: construction of a ferromagnetic, oxime-based [MnIII ₂] dimer. <i>Dalton Transactions</i> , 2011, 40, 9999.	1.6	16
227	Synthetic, structural, spectroscopic and theoretical study of a Mn(III)-Cu(II) dimer containing a Jahn-Teller compressed Mn ion. <i>Dalton Transactions</i> , 2013, 42, 207-216.	1.6	16
228	Homo- and heterometallic planes, chains and cubanes. <i>Dalton Transactions</i> , 2013, 42, 10315.	1.6	16
229	Hexa- and octanuclear iron(III) salicylaldoxime clusters. <i>Dalton Transactions</i> , 2011, 40, 2875.	1.6	15
230	Relaxation dynamics in a Fe ₇ nanomagnet. <i>Physical Review B</i> , 2013, 87, .	1.1	15
231	High nuclearity Ni(II) cages from hydroxamate ligands. <i>RSC Advances</i> , 2014, 4, 38182-38191.	1.7	15
232	Assembly of a calix[4]arene-supported MnIIIMnII cluster mediated by halogen interactions. <i>CrystEngComm</i> , 2014, 16, 8098-8101.	1.3	15
233	Heterobimetallic nickel-sodium and cobalt-sodium complexes of pyridonate ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 2657-2664.	1.1	14
234	New high-spin clusters featuring transition metals. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1999, 357, 3119-3137.	1.6	14

#	ARTICLE	IF	CITATIONS
235	New derivatives of an enneanuclear Mn SMM. <i>Polyhedron</i> , 2007, 26, 1845-1848.	1.0	14
236	From single-molecule magnetism to long-range ferromagnetism in Hpyr . <i>Physical Review B</i> , 2008, 77, .	1.1	14
237	Linear and cubane carboxylate clusters derived from di-2-pyridyl ketone: Synthesis, characterization and magnetic properties. <i>Polyhedron</i> , 2009, 28, 2017-2025.	1.0	14
238	Molecular and supramolecular Ni(II) wheels from $\hat{\pm}$ -benzoin oxime. <i>Dalton Transactions</i> , 2009, , 3388.	1.6	14
239	Touching the upper limit for ferromagnetic interactions in hetero-bridged dinuclear $[\text{Cu}_2\text{N}_5]$ complexes using a novel N_5 -dinucleating ligand bearing an endogenous monoatomic amido(R^{NH})-bridging group. <i>Chemical Communications</i> , 2012, 48, 805-807.	2.2	14
240	Discovering the pivotal role of carbonate in the formation of a bis-phenolate supported Co_{15} cluster. <i>Chemical Communications</i> , 2014, 50, 2202-2204.	2.2	14
241	Coming full circle: constructing a $[\text{Gd}_6]$ wheel dimer by dimer and the importance of spin topology. <i>Dalton Transactions</i> , 2017, 46, 10255-10263.	1.6	14
242	$[\text{Fe}_{15}]$: a frustrated, centred tetrakis hexahedron. <i>Chemical Communications</i> , 2021, 57, 8925-8928.	2.2	14
243	Uncapped and polar capped prisms of cobalt and nickel. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 3745.	1.1	13
244	Surface binding vs. sequestration; the uptake of benzohydroxamic acid at iron(III) oxide surfaces. <i>Chemical Communications</i> , 2008, , 4570.	2.2	13
245	The first amino acid manganese cluster: a $[\text{MnIV}_2\text{MnIII}_3]$ dl-valine cage. <i>Dalton Transactions</i> , 2009, , 9117.	1.6	13
246	Transforming the cube: a tetranuclear cobalt(II) cubane cluster and its transformation to a dimer of dimers. <i>CrystEngComm</i> , 2009, 11, 2117.	1.3	13
247	Introduction to the themed issue on molecular magnets. <i>Dalton Transactions</i> , 2010, 39, 4671.	1.6	13
248	Complementary ligands direct the formation of a calix[8]arene-supported ferromagnetic MnIVMnIII dimer. <i>Dalton Transactions</i> , 2013, 42, 6697.	1.6	13
249	Converting an hexametallc Mn^{III} wheel to a dodecametallic Mn^{III} wheel via ligand oximation. <i>Chemical Communications</i> , 2014, 50, 3310-3312.	2.2	13
250	A hexameric $[\text{MnIII}_{18}\text{Na}_6]$ wheel based on $[\text{MnIII}_3\text{O}]_7$ sub-units. <i>Chemical Communications</i> , 2016, 52, 12829-12832.	2.2	13
251	Core expansion of bis-calix[4]arene-supported clusters. <i>Chemical Communications</i> , 2016, 52, 14246-14249.	2.2	13
252	Magneto-structural correlations in a family of di-alkoxo bridged chromium dimers. <i>Dalton Transactions</i> , 2017, 46, 7159-7168.	1.6	13

#	ARTICLE	IF	CITATIONS
253	Enhancement of Intermolecular Magnetic Exchange through Halogen-Halogen Interactions in Bisadeninium Rhenium(IV) Salts. <i>Crystal Growth and Design</i> , 2017, 17, 5342-5348.	1.4	13
254	Magneto-structural correlations in a family of $\text{Re}^{\text{IV}}\text{Cu}^{\text{II}}$ chains based on the hexachlororhenate(ReCl_6) metalloligand. <i>Dalton Transactions</i> , 2017, 46, 16025-16033.	1.6	13
255	Synthesis and magnetic properties of heptadecametallc Fe(III) clusters. <i>Polyhedron</i> , 2007, 26, 1835-1837.	1.0	12
256	Synthesis, structures and magnetic properties of two novel tetranuclear iron(III) single-molecule magnets: Enhanced energy barriers in solution. <i>Polyhedron</i> , 2009, 28, 1834-1837.	1.0	12
257	Quantum tunnelling of magnetization in the single-molecule magnet Mn_6 . <i>New Journal of Chemistry</i> , 2009, 33, 1231.	1.4	12
258	p-tert-Butylcalix[8]arene: A support for sodium and sodium-manganese clusters that exhibit interesting self-assembly properties. <i>Dalton Transactions</i> , 2011, 40, 12265.	1.6	12
259	Linking [MIII3] triangles with μ_2 -phenolic oximes. <i>Dalton Transactions</i> , 2012, 41, 8777.	1.6	12
260	A family of hexanuclear Mn(III) single-molecule magnets. <i>Journal of Coordination Chemistry</i> , 2014, 67, 3972-3986.	0.8	12
261	Three-Leaf Quantum Interference Clovers in a Trigonal Single-Molecule Magnet. <i>Physical Review Letters</i> , 2014, 113, 087201.	2.9	12
262	Order in disorder: solution and solid-state studies of [MIII2MII5] wheels ($\text{M} = \text{Cr, Al}$). <i>Journal of Coordination Chemistry</i> , 2014, 67, 3972-3986.	1.6	12
263	Access to new magnetic cores in Fe(III) and Fe(III)/Cu(II) spin clusters. <i>Dalton Transactions</i> , 2009, , 9395.	1.6	11
264	Linking [FeIII3] triangles with μ_2 -phenolic oximes. <i>Chemical Communications</i> , 2011, 47, 6018.	2.2	11
265	The remarkable influence of N,O-ligands in the assembly of a bis-calix[4]arene-supported [MnIV2MnIII10MnII8] cluster. <i>Dalton Transactions</i> , 2017, 46, 16807-16811.	1.6	11
266	Cages on a plane: a structural matrix for molecular μ_2 -sheets. <i>Dalton Transactions</i> , 2018, 47, 15530-15537.	1.6	11
267	A simple methodology for constructing ferromagnetically coupled Cr^{III} compounds. <i>Dalton Transactions</i> , 2018, 47, 8100-8109.	1.6	11
268	Phthalocyanine-polyoxotungstate lanthanide double deckers. <i>Dalton Transactions</i> , 2020, 49, 16638-16642.	1.6	11
269	The coordination chemistry of p-tert-butylcalix[4]arene with paramagnetic transition and lanthanide metal ions: an Edinburgh Perspective. <i>Dalton Transactions</i> , 2022, 51, 4213-4226.	1.6	11
270	High nuclearity cobalt-copper and nickel-copper co-ordination complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 3403-3404.	1.1	10

#	ARTICLE	IF	CITATIONS
271	Neutron spectroscopy and magnetic relaxation of the Mn ₆ nanomagnets. <i>Polyhedron</i> , 2009, 28, 1940-1944.	1.0	10
272	Naked [Mn ₃ O] ₇ Triangles: The Effect of Auxiliary Ligands on Magnetic Exchange. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 483-489.	1.0	10
273	Ferromagnetic exchange in a twisted, oxime-bridged [MnIII ₂] dimer. <i>Dalton Transactions</i> , 2012, 41, 8340.	1.6	10
274	Mono- and tetra-nuclear copper complexes bearing bis(imino)phenoxide derived ligands: catalytic evaluation for benzene oxidation and ROP of μ -caprolactone. <i>RSC Advances</i> , 2015, 5, 57414-57424.	1.7	10
275	[Cr ^{III}] ₈ M ^{II} ₆ (M = Cu, Co) face-centred, metallosupramolecular cubes. <i>CrystEngComm</i> , 2016, 18, 4914-4920.	1.3	10
276	Hexahalorhenate(IV) salts of metal oxazolidine nitroxides. <i>Dalton Transactions</i> , 2017, 46, 5250-5259.	1.6	10
277	Oxidation State Distributions Provide Insight into Parameters Directing the Assembly of Metal-Organic Nanocapsules. <i>Journal of the American Chemical Society</i> , 2018, 140, 13022-13027.	6.6	10
278	A [Mn ₁₈] wheel-of-wheels. <i>Chemical Communications</i> , 2021, 57, 4122-4125.	2.2	10
279	Oxalix[4]arene-supported di-, tetra- and undecanuclear copper(II) clusters. <i>Dalton Transactions</i> , 2014, 43, 5292-5298.	1.6	9
280	Bis-Calix[4]arenes: From Ligand Design to the Directed Assembly of a Metal-Organic Trigonal Antiprism. <i>Chemistry - A European Journal</i> , 2016, 22, 8791-8795.	1.7	9
281	Investigations into cluster formation with alkyl-tethered bis-calix[4]arenes. <i>Supramolecular Chemistry</i> , 2016, 28, 557-566.	1.5	9
282	Self-assembly of the tetrachlorido(oxalato)rhenate(IV) anion with protonated organic cations: X-ray structures and magnetic properties. <i>CrystEngComm</i> , 2017, 19, 503-510.	1.3	9
283	Synthetic ability of dinuclear mesocates containing 1,3-bis(diazinecarboxamide)benzene bridging ligands to form complexes of increased nuclearity. Crystal structures, magnetic properties and theoretical studies. <i>Dalton Transactions</i> , 2017, 46, 10469-10483.	1.6	9
284	Design of pure heterodinuclear lanthanoid cryptate complexes. <i>Chemical Science</i> , 2021, 12, 6983-6991.	3.7	9
285	An [FeIII ₃₀] molecular metal oxide. <i>Chemical Communications</i> , 2021, 58, 52-55.	2.2	9
286	Heisenberg model of an {Fe ₈ }-cubane cluster. <i>Physical Review B</i> , 2007, 76, .	1.1	8
287	High spin d ⁵ complexes of tris(6-hydroxymethyl-2-pyridylmethyl)amine (H ₃ L): hepta-coordinated [Mn(H ₃ L)]Cl ₂ and linear trinuclear [Fe ₃ L ₂](ClO ₄) ₃ . <i>Dalton Transactions</i> , 2008, , 551-558.	1.6	8
288	The Marriage of Inorganic and Organic Building Blocks for the Assembly of Rotaxanes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6948-6949.	7.2	8

#	ARTICLE	IF	CITATIONS
289	The effect of pressure on the crystal structure of [Gd(PhCOO) ₃ (DMF)] _n to 3.7 GPa and the transition to a second phase at 5.0 GPa. Dalton Transactions, 2010, 39, 7004.	1.6	8
290	Old dog, new tricks: 2,2'-biphenol as a bridging and book-end ligand in discrete and extended Co(II) architectures. CrystEngComm, 2012, 14, 2732.	1.3	8
291	A bis-phenolate for the construction of linear lanthanide trimers. Chemical Communications, 2013, 49, 9552.	2.2	8
292	New members of the [Mn ₆ /oxime] family and analogues with converging [Mn ₃] planes. Journal of Coordination Chemistry, 2016, 69, 826-840.	0.8	8
293	Importance of Steric Influences in the Construction of Multicomponent Hybrid Polymetallic Clusters. Inorganic Chemistry, 2017, 56, 10044-10053.	1.9	8
294	A Ferromagnetically Coupled, Bell-Shaped [Ni ₄ Gd ₅] Cage. Inorganic Chemistry, 2019, 58, 11404-11409.	1.9	8
295	Crowding out: ligand modifications and their structure directing effects on brucite-like {M _x (1/4 ₃ -OH) _y } (M = Co, Ni) core growth within polymetallic cages. Dalton Transactions, 2019, 48, 1477-1488.	1.6	8
296	Mono- and ditopic hydroxamate ligands towards discrete and extended network architectures. Dalton Transactions, 2019, 48, 10180-10190.	1.6	8
297	The relaxation times in tetranuclear manganese complex with. Physica B: Condensed Matter, 2000, 284-288, 1225-1226.	1.3	7
298	New octa- and dodecametallic mixed-valent Mn rods. Polyhedron, 2007, 26, 1923-1926.	1.0	7
299	Switching pairwise exchange interactions to enhance SMM properties. Comptes Rendus Chimie, 2008, 11, 1175-1181.	0.2	7
300	Cobalt(II) complexes of calix[6]arenes: Crystallographic studies into heteroatom bridge influence over discrete versus polymeric structure formation. Polyhedron, 2013, 55, 126-130.	1.0	7
301	Combining oxime-based [Mn ₆] clusters with cyanometalates: 1D chains of [Mn ₆] SMMs from [M(CN) ₂] ⁺ (M = Au, Ag). Dalton Transactions, 2014, 43, 4622-4625.	1.6	7
302	Influencing the Orientation of Jahn-Teller Axes in Butterfly-Like MnIII ₄ Clusters. ChemPlusChem, 2014, 79, 667-670.	1.3	7
303	A [Ce ₂₁] keplerate. Dalton Transactions, 2017, 46, 7677-7680.	1.6	7
304	Exploratory studies into 3d/4f cluster formation with fully bridge-substituted calix[4]arenes. Supramolecular Chemistry, 2018, 30, 504-509.	1.5	7
305	Vanadyl sulfates: molecular structure, magnetism and electrochemical activity. Dalton Transactions, 2018, 47, 15983-15993.	1.6	7
306	Putting the Squeeze on Molecule-Based Magnets: Exploiting Pressure to Develop Magneto-Structural Correlations in Paramagnetic Coordination Compounds. Magnetochemistry, 2020, 6, 32.	1.0	7

#	ARTICLE	IF	CITATIONS
325	Hexakis(diethylacetamide)iron(II) hexahalorhenate(IV) ionic salts: X-ray structures and magnetic properties. <i>Polyhedron</i> , 2015, 98, 35-39.	1.0	4
326	Magneto-structural correlations in dirhenium(IV) complexes possessing magnetic pathways with even or odd numbers of atoms. <i>Dalton Transactions</i> , 2017, 46, 11890-11897.	1.6	4
327	A [Cr ₂ Ni] coordination polymer: slow relaxation of magnetization in quasi-one-dimensional ferromagnetic chains. <i>Chemical Communications</i> , 2018, 54, 6153-6156.	2.2	4
328	New salicylaldoximato-borate ligands resulting from anion hydrolysis and their respective copper and iron complexes. <i>Dalton Transactions</i> , 2019, 48, 11872-11881.	1.6	4
329	An [Fe III 34] Molecular Metal Oxide. <i>Angewandte Chemie</i> , 2019, 131, 17059-17062.	1.6	4
330	The first amino acid bound manganese-calcium clusters: a { [MnIII3Ca] ₂ } methylalanine complex, and a [MnIII6Ca] trigonal prism. <i>Dalton Transactions</i> , 2020, 49, 10339-10343.	1.6	4
331	With complements of the ligands: an unusual S-shaped [Mn ₇] ₂ assembly from tethered calixarenes. <i>Dalton Transactions</i> , 2020, 49, 9882-9887.	1.6	4
332	Phosphorylated-calix[4]arene double-deckers of single rare earth metal ions. <i>Chemical Communications</i> , 2021, 57, 8087-8090.	2.2	4
333	Synthesis and Characterization of Symmetrically versus Unsymmetrically Proton-Bridged Hexa-Iron Clusters. <i>ACS Omega</i> , 2021, 6, 16661-16669.	1.6	4
334	Metallcluster aus ecken- und flächenverknüpfte adamantanartigen Einheiten: eine neue Topologie bei Mehrkernkomplexen. <i>Angewandte Chemie</i> , 1997, 109, 2055-2057.	1.6	3
335	Magnetization tunneling in Mn ₁₂ and Mn ₄ single-molecule magnets. <i>Journal of Applied Physics</i> , 2002, 91, 7155.	1.1	3
336	High-field ground-state level crossing and magnetic susceptibility of an $\text{Mn}^{II}\text{Fe}^{III}$ cluster. <i>Physical Review B</i> , 2009, 80, .	1.1	3
337	Structural Trends in Calix[4]arene-Supported Cluster Chemistry. , 2016, , 671-689.		3
338	A Facile Synthetic Route to a Family of MnIIIMonomers and Their Structural, Magnetic and Spectroscopic Studies. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5123-5131.	1.0	3
339	A new twist on an old ligand: a [Mn ₁₆] double square wheel and a [Mn ₁₀] contorted wheel. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1804-1809.	3.0	3
340	[(VIVO) ₂ MII5] (M = Ni, Co) Anderson wheels. <i>Dalton Transactions</i> , 2021, 50, 12495-12501.	1.6	3
341	Photoinduced Jahn-Teller switch in Mn(III) terpyridine complexes. <i>Dalton Transactions</i> , 2022, 51, 10751-10757.	1.6	3
342	Solvothermal synthesis of discrete cages and extended networks comprising {Cr(III)3O(O ₂ CR)3(oxime)3}2 ⁺ (R = H, CH ₃ , C(CH ₃) ₃ , C ₁₄ H ₉) building blocks. <i>RSC Advances</i> , 2016, 6, 73668-73676.	1.7	2

#	ARTICLE	IF	CITATIONS
343	A Brucite-Like Mixed-Valent Cluster Capped by [MnIIIp-tBu-calix[4]arene] ⁿ⁺ Moieties. <i>Chemistry</i> , 2020, 2, 253-261.	0.9	2
344	An [Fe ^{III}] ₈ molecular oxyhydroxide. <i>Dalton Transactions</i> , 0, , .	1.6	2
345	Structural Variations and Magnetic Studies of Polymetallic Cages. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 335, 263-282.	0.3	1
346	Nonexponential magnetization relaxation in a manganese single-molecule magnet. <i>Physica B: Condensed Matter</i> , 2003, 329-333, 1174-1175.	1.3	1
347	Building Molecular Minerals: All Ferric Pieces of Molecular Magnetite. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6581-6581.	7.2	1
348	[CrIII8NiII6] ⁿ⁺ Heterometallic Coordination Cubes. <i>Molecules</i> , 2021, 26, 757.	1.7	1
349	Utilizing Raman Spectroscopy as a Tool for Solid- and Solution-Phase Analysis of Metalloorganic Cage Host-Guest Complexes. <i>Inorganic Chemistry</i> , 2022, , .	1.9	1
350	VARIABLE FREQUENCY EPR STUDIES OF A CENTERED FeIII TETRAHEDRON. <i>International Journal of Modern Physics B</i> , 2004, 18, 3853-3856.	1.0	0
351	Innentitelbild: A [Mn ³²] Double-Decker Wheel (Angew. Chem. 19/2011). <i>Angewandte Chemie</i> , 2011, 123, 4326-4326.	1.6	0
352	Inside Cover: A [Mn ³²] Double-Decker Wheel (Angew. Chem. Int. Ed. 19/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4238-4238.	7.2	0
353	Reprint of "Cobalt(II) complexes of calix[6]arenes: Crystallographic studies into heteroatom bridge influence over discrete versus polymeric structure formation". <i>Polyhedron</i> , 2013, 64, 388-392.	1.0	0
354	Frontispiece: Linked Supramolecular Building Blocks for Enhanced Cluster Formation. <i>Chemistry - A European Journal</i> , 2015, 21, n/a-n/a.	1.7	0
355	Crystal structure of 2-hydroxy-N-(2-hydroxyethyl)-N-{2-hydroxy-3-[(E)-N-hydroxyethanimidoyl]-5-methylbenzyl}ethanaminium acetate monohydrate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o186-o187.	0.2	0
356	VARIABLE FREQUENCY EPR STUDIES OF A CENTERED Fe ^{III} TETRAHEDRON. , 2005, , .		0
357	Oxidation state variation in bis-calix[4]arene supported decametallc Mn clusters. <i>Dalton Transactions</i> , 2021, 50, 17566-17572.	1.6	0
358	Constructing "Closed" and "Open" {Mn ₈ } Clusters. <i>Crystal Growth and Design</i> , 0, , .	1.4	0