Euan K. Brechin

List of Publications by Year
in descending order

358 papers	18,686 citations	11651 70 h-index	20358 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.	13.7	693
3	Recipes for enhanced molecular cooling. Dalton Transactions, 2010, 39, 4672.	3.3	424
4	Toward a Magnetostructural Correlation for a Family of Mn₆ SMMs. Journal of the American Chemical Society, 2007, 129, 12505-12511.	13.7	345
5	Cryogenic Magnetocaloric Effect in a Ferromagnetic Molecular Dimer. Angewandte Chemie - International Edition, 2011, 50, 6606-6609.	13.8	286
6	Using tripodal alcohols to build high-spin molecules and single-molecule magnets. Chemical Communications, 2005, , 5141.	4.1	278
7	[Mn^{III}₄Ln^{III}₄] Calix[4]arene Clusters as Enhanced Magnetic Coolers and Molecular Magnets. Journal of the American Chemical Society, 2010, 132, 12983-12990.	13.7	278
8	A Dense Metalâ€"Organic Framework for Enhanced Magnetic Refrigeration. Advanced Materials, 2013, 25, 4653-4656.	21.0	273
9	Slow Magnetic Relaxation in a Co^{II}â€"Y^{III} Singleâ€Ion Magnet with Positive Axial Zeroâ€Field Splitting. Angewandte Chemie - International Edition, 2013, 52, 9130-9134.	13.8	266
10	Polyoxometalateâ€Mediated Selfâ€Assembly of Singleâ€Molecule Magnets: {[XW₉O₃₄]₂[Mn^{III}₄Mn^{II}₂O₄(Angewandte Chemie - International Edition, 2008, 47, 5609-5612.	13.8	254
11	The search for 3dâ€"4f single-molecule magnets: synthesis, structure and magnetic properties of a [MnIII2DyIII2] cluster. Chemical Communications, 2005, , 2086-2088.	4.1	254
12	Single-Molecule Magnets:â€‰ A New Class of Tetranuclear Manganese Magnets. Inorganic Chemistry, 2000, 39, 3615-3623.	4.0	240
13	Single-Molecule Magnets:Â A New Family of Mn12Clusters of Formula [Mn12O8X4(O2CPh)8L6]. Journal of the American Chemical Society, 2002, 124, 3725-3736.	13.7	235
14	A Calix[4]arene 3d/4f Magnetic Cooler. Angewandte Chemie - International Edition, 2009, 48, 9928-9931.	13.8	235
15	Mixed-Valent Mn Supertetrahedra and Planar Discs as Enhanced Magnetic Coolers. Journal of the American Chemical Society, 2008, 130, 11129-11139.	13.7	219
16	Molecular coolers: The case for [CuII5GdIII4]. Chemical Science, 2011, 2, 1166.	7.4	197
17	A Single-Molecule Magnet with a â€œTwistâ€. Journal of the American Chemical Society, 2007, 129, 8-9.	13.7	192
18	Quantum Tunneling of Magnetization in a New [Mn18]2+Single-Molecule Magnet withS= 13. Journal of the American Chemical Society, 2002, 124, 9710-9711.	13.7	191

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19	A Ferromagnetic Mixed-Valent Mn Supertetrahedron: Towards Low-Temperature Magnetic Refrigeration with Molecular Clusters. Angewandte Chemie - International Edition, 2007, 46, 4456-4460.	13.8	184
20	Direct Observation of Quantum Coherence in Single-Molecule Magnets. Physical Review Letters, 2008, 101, 147203.	7.8	178
21	The Importance of Being Exchanged: [Gd^{III}₄M^{II}₈(OH)₈(L)₈(O₂CR)₈] Clusters for Magnetic Refrigeration. Angewandte Chemie - International Edition, 2012, 51, 4633-4636.	13.8	178
22	A Family of Manganese Rods:Â Syntheses, Structures, and Magnetic Properties. Journal of the American Chemical Society, 2004, 126, 15445-15457.	13.7	170
23	Ground state spin-switching via targeted structural distortion: twisted single-molecule magnets from derivatised salicylaldoximes. Dalton Transactions, 2008, , 1809-1817.	3.3	169
24	Spin-enhanced magnetocaloric effect in molecular nanomagnets. Applied Physics Letters, 2005, 87, 072504.	3.3	166
25	Net Toroidal Magnetic Moment in the Ground State of a {Dy₆}-Triethanolamine Ring. Journal of the American Chemical Society, 2012, 134, 18554-18557.	13.7	157
26	An Ni4 Single-Molecule Magnet: Synthesis, Structure and Low-Temperature Magnetic Behavior. European Journal of Inorganic Chemistry, 2004, 2004, 2219-2222.	2.0	152
27	Polymetallic Cobalt and Manganese Cages with Phosphinate and Phosphonate Ligands. Angewandte Chemie - International Edition, 2001, 40, 2700-2703.	13.8	149
28	Increasing the dimensionality of cryogenic molecular coolers: Gd-based polymers and metalâ€“organic frameworks. Chemical Communications, 2012, 48, 7592.	4.1	147
29	1,2,3-Triazolate-Bridged Tetradecametallic Transition Metal Clusters [M14(L)6O6(OMe)18X6] (M = FeIII,) Tj ETQq1 1 0.784314 rgBT /O Spin-Enhanced Magnetocaloric Effect. Inorganic Chemistry, 2007, 46, 4968-4978.	4.0	146
30	Attempting to understand (and control) the relationship between structure and magnetism in an extended family of Mn6 single-molecule magnets. Dalton Transactions, 2009, , 3403.	3.3	146
31	Spin Switching via Targeted Structural Distortion. Journal of the American Chemical Society, 2007, 129, 6547-6561.	13.7	144
32	Synthesis, Structure, and Magnetic Properties of a [Mn22] Wheel-like Single-Molecule Magnet. Inorganic Chemistry, 2004, 43, 4203-4209.	4.0	142
33	Large Spin Differences in Structurally Related Fe6Molecular Clusters and Their Magnetostructural Explanation. Inorganic Chemistry, 2004, 43, 5505-5521.	4.0	140
34	A new class of single-molecule magnets: mixed-valent [Mn4(O2CMe)2(Hpdm)6][ClO4]2 with an S = 8 ground state. Chemical Communications, 1999, , 783-784.	4.1	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. Inorganic Chemistry, 2012, 51, 5857-5868.	4.0	132
36	Magnetic quantum tunneling: insights from simple molecule-based magnets. Dalton Transactions, 2010, 39, 4693.	3.3	129

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37	Solvothermal Synthesis of a Tetradecametallic FeIII Cluster. Angewandte Chemie - International Edition, 2003, 42, 3781-3784.	13.8	127
38	Strategy for the Rational Design of Asymmetric Triply Bridged Dinuclear 3d-4f Single-Molecule Magnets.. Inorganic Chemistry, 2011, 50, 7268-7273.	4.0	125
39	Selective Metal Cation Capture by Soft Anionic Metalâ€“Organic Frameworks via Drastic Single-Crystal-to-Single-Crystal Transformations. Journal of the American Chemical Society, 2012, 134, 9581-9584.	13.7	121
40	Dilution-Triggered SMM Behavior under Zero Field in a Luminescent Zn₂Dy₂ Tetranuclear Complex Incorporating Carbonato-Bridging Ligands Derived from Atmospheric CO₂ Fixation. Inorganic Chemistry, 2013, 52, 9620-9626.	4.0	113
41	New Routes to Polymetallic Clusters: Fluoride-Based Tri-, Deca-, and Hexaicosametallic MnIII Clusters and their Magnetic Properties. Chemistry - A European Journal, 2004, 10, 5180-5194.	3.3	110
42	Calix[4]areneâ€Based Singleâ€Molecule Magnets. Angewandte Chemie - International Edition, 2009, 48, 8285-8288.	13.8	109
43	A [Mn₃₂] Doubleâ€Decker Wheel. Angewandte Chemie - International Edition, 2011, 50, 4441-4444.	13.8	109
44	Linking Centered Manganese Triangles into Larger Clusters: A {Mn32} Truncated Cube. Angewandte Chemie - International Edition, 2005, 44, 6540-6543.	13.8	107
45	Octametallic and Hexadecametallic Ferric Wheels. Angewandte Chemie - International Edition, 2002, 41, 4318-4321.	13.8	104
46	Synthesis, structural characterisation and preliminary magnetic studies of a tetraicosanuclear cobalt coordination complex. Chemical Communications, 1997, , 653-654.	4.1	102
47	Twisted molecular magnets. Chemical Communications, 2012, 48, 181-190.	4.1	102
48	Synthetic and magnetic studies of a dodecanuclear cobalt wheel. Chemical Communications, 2002, , 1860-1861.	4.1	100
49	Microwave-Assisted Synthesis of a Hexanuclear MnIIISingle-Molecule Magnet. Inorganic Chemistry, 2006, 45, 5272-5274.	4.0	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. Inorganic Chemistry, 2014, 53, 1465-1474.	4.0	95
51	Closely-Related Zn^{II}₂Ln^{III}₂ Complexes (Ln^{III} = Gd, Yb) with Either Magnetic Refrigerant or Luminescent Single-Molecule Magnet Properties. Inorganic Chemistry, 2014, 53, 3586-3594.	4.0	93
52	A new class of single-molecule magnet: [Mn9O7(OAc)11(thme)(py)3(H2O)2] with an S = 17/2 ground state. Chemical Communications, 2002, , 2252-2253.	4.1	91
53	Studies of an Enneanuclear Manganese Single-Molecule Magnet. Journal of the American Chemical Society, 2005, 127, 5572-5580.	13.7	90
54	Twisting, bending, stretching: strategies for making ferromagnetic [MnIII3] triangles. Dalton Transactions, 2009, , 9157.	3.3	90

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55	Mn 4 single-molecule magnets with a planar diamond core and S =9. Polyhedron, 2003, 22, 1857-1863.	2.2	87
56	Building Molecular Minerals: All Ferric Pieces of Molecular Magnetite. Angewandte Chemie - International Edition, 2004, 43, 5772-5775.	13.8	87
57	A Mixedâ€Valence Manganese Cubane Trapped by Inequivalent Trilacunary Polyoxometalate Ligands. Angewandte Chemie - International Edition, 2011, 50, 9154-9157.	13.8	86
58	Magnetization tunneling in single-molecule magnets. Polyhedron, 2001, 20, 1479-1488.	2.2	84
59	Synthesis and characterisation of a Ni4 single-molecule magnet with S4 symmetry. Dalton Transactions, 2008, , 6409.	3.3	83
60	Single-Molecule Magnets:Â Structure and Properties of [Mn18O14(O2CMe)18(hep)4(hepH)2(H2O)2](ClO4)2with SpinS= 13. Inorganic Chemistry, 2005, 44, 502-511.	4.0	82
61	What Controls the Magnetic Interaction in bisâ€¼â€Alkoxo Mn^{III} Dimers? A Combined Experimental and Theoretical Exploration. Chemistry - A European Journal, 2012, 18, 5906-5918.	3.3	81
62	Resonant Quantum Tunneling in a New Tetranuclear Iron(III)-Based Single-Molecule Magnet. Advanced Materials, 2004, 16, 1101-1105.	21.0	80
63	Synthesis, structure and magnetic properties of a decametallic Ni single-molecule magnet. Chemical Communications, 2005, , 5038.	4.1	79
64	Ferromagnetic Cobalt Metallocycles. Inorganic Chemistry, 2006, 45, 7038-7040.	4.0	79
65	Enhancing SMM properties in a family of [Mn6] clusters. Chemical Communications, 2007, , 3476.	4.1	79
66	Magnetocaloric effect in spin-degenerated molecular nanomagnets. Physical Review B, 2009, 79, .	3.2	79
67	1D chains of Mn6 single-molecule magnets. Chemical Communications, 2009, , 2023.	4.1	75
68	Calix[4]arene-supported FeIII2LnIII2 clusters. Chemical Communications, 2011, 47, 9042.	4.1	75
69	Theoretical Methods Enlighten Magnetic Properties of a Family of Mn₆Single-Molecule Magnets. Inorganic Chemistry, 2009, 48, 8012-8019.	4.0	74
70	A Family of Calix[4]areneâ€Supported [Mn^{III}₂Mn^{II}₂] Clusters. Chemistry - A European Journal, 2011, 17, 7521-7530.	3.3	74
71	Magnetism in metalâ€“organic capsules. Chemical Communications, 2010, 46, 3484.	4.1	73
72	Singleâ€Molecule Magnetism, Enhanced Magnetocaloric Effect, and Toroidal Magnetic Moments in a Family of Ln₄ Squares. Chemistry - A European Journal, 2015, 21, 15639-15650.	3.3	72

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73	High-Spin M2+ Carboxylate Triangles from the Microwave. Inorganic Chemistry, 2006, 45, 7053-7055.	4.0	71
74	Studies on bifunctional Fe(<scp>ii</scp>)-triazole spin crossover nanoparticles: time-dependent luminescence, surface grafting and the effect of a silica shell and hydrostatic pressure on the magnetic properties. Journal of Materials Chemistry C, 2015, 3, 7819-7829.	5.5	69
75	New routes to high nuclearity cages: a fluoride-based hexaicosametallic manganese cage. Chemical Communications, 2002, , 2974-2975.	4.1	68
76	[Mn₆] under Pressure: A Combined Crystallographic and Magnetic Study. Angewandte Chemie - International Edition, 2008, 47, 2828-2831.	13.8	68
77	Dodecanuclear and octanuclear manganese rods. Chemical Communications, 2003, , 1276.	4.1	67
78	Breakdown of the Giant Spin Model in the Magnetic Relaxation of theMn6Nanomagnets. Physical Review Letters, 2008, 100, 157203.	7.8	67
79	Heterometallic complexes containing d- and f-block elements: synthesis and structural characterisation of novel Niâ€“Er and Coâ€“Dy compounds. Journal of the Chemical Society Dalton Transactions, 1997, , 1665-1666.	1.1	65
80	A Novel Undecametallic Iron(III) Cluster with anS=11/2Spin Ground State. Inorganic Chemistry, 2003, 42, 6601-6603.	4.0	65
81	On the origin of ferromagnetism in oximato-based [Mn3O]7+triangles. Dalton Transactions, 2008, , 234-240.	3.3	65
82	Calix[4]arene-supported rare earth octahedra. Chemical Communications, 2012, 48, 1449-1451.	4.1	65
83	A Cube in a Tetrahedron:Â Microwave-Assisted Synthesis of an Octametallic FeIIICluster. Inorganic Chemistry, 2006, 45, 5281-5283.	4.0	64
84	Enhancing SMM properties via axial distortion of MnIII3 clusters. Chemical Communications, 2008, , 5924.	4.1	64
85	Antiferromagnetic versus Ferromagnetic Exchange Interactions in Bis(Î¼-O_{oximate})dinickel(II) Units for a Series of Closely Related Cube Shaped Carboxamideoximate-Bridged Ni₄ Complexes. A Combined Experimental and Theoretical Magneto-Structural Study. Inorganic Chemistry, 2010, 49, 10156-10165.	4.0	64
86	A flow-system array for the discovery and scale up of inorganic clusters. Nature Chemistry, 2012, 4, 1037-1043.	13.6	63
87	Ground Spin State Changes and 3â€‰D Networks of Exchange Coupled [Mn^{III}₃] Singleâ€Molecule Magnets. Chemistry - A European Journal, 2008, 14, 9117-9121.	3.3	62
88	A Family of Polynuclear Cobalt and Nickel Complexes Stabilised by 2-Pyridonate and Carboxylate Ligands. Chemistry - A European Journal, 2000, 6, 883-896.	3.3	61
89	Metalâ€“Organic Calixarene Nanotubes. Angewandte Chemie - International Edition, 2010, 49, 4205-4208.	13.8	61
90	A Family of [Mn6] Complexes Featuring Tripodal Ligands. Inorganic Chemistry, 2006, 45, 6782-6793.	4.0	59

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91	A rare ferromagnetic manganese(iii) â€˜cubeâ€™. Chemical Communications, 2007, , 153-155.	4.1	59
92	Pressure-induced Jahnâ€“Teller switching in a Mn12 nanomagnet. Chemical Communications, 2010, 46, 1881-1883.	4.1	57
93	Calixarene supported enneanuclear Cu(ii) clusters. Chemical Communications, 2010, 46, 3884.	4.1	57
94	Density functional calculations of a tetradecametallic iron(iii) cluster with a very large spin ground state.. Chemical Communications, 2004, , 1476.	4.1	56
95	Enhancing Ueff in oxime-bridged [MnIII6LnIII2] hexagonal prisms. Dalton Transactions, 2011, 40, 4797.	3.3	56
96	New polynuclear nickel complexes with a variety of pyridonate and carboxylate ligands. Journal of the Chemical Society Chemical Communications, 1995, , 1983.	2.0	53
97	New hexanuclear and octanuclear iron(III) oxide clusters: octahedral [Fe6O2]14+ species and core isomerism in [Fe8O4]16+ complexes. Inorganica Chimica Acta, 2000, 297, 389-399.	2.4	53
98	The use of methylsalicyloxime in manganese chemistry: A triangle and its oxidation to a rod. Inorganica Chimica Acta, 2007, 360, 3932-3940.	2.4	53
99	Turning up the spin, turning on single-molecule magnetism: from S = 1 to S = 7 in a [Mn8] cluster via ligand induced structural distortion. Chemical Communications, 2007, , 2738.	4.1	52
100	High-Spin Mn Wheels. Inorganic Chemistry, 2007, 46, 6968-6979.	4.0	52
101	A ferromagnetically coupled diphenoxo-bridged Gd3+â€“Mn2+ dinuclear complex with a large magneto-caloric effect. Chemical Communications, 2013, 49, 3845.	4.1	52
102	Probing the origin of the giant magnetic anisotropy in trigonal bipyramidal Ni(<scp>ii</scp>) under high pressure. Chemical Science, 2018, 9, 1551-1559.	7.4	52
103	Chiral single-molecule magnets: a partial Mn(iii) supertetrahedron from achiral components. Chemical Communications, 2011, 47, 3090.	4.1	51
104	Nanoscale Cages of Manganese and Nickel with â€œRock Saltâ€•Cores. Journal of the American Chemical Society, 1998, 120, 7365-7366.	13.7	49
105	Supertetrahedral decametallic Ni(ii) clusters directed by Î¼6-tris-alkoxides. Chemical Communications, 2004, , 1418-1419.	4.1	49
106	A MnII4cubane and a novel MnII10MnIII4cluster from the use of di-2-pyridyl ketone in manganese acetate chemistry. Dalton Transactions, 2009, , 307-317.	3.3	49
107	New Routes to High Nuclearity Clusters:Â Fluoride-Based Octametallic and Tridecametallic Clusters of Manganese. Inorganic Chemistry, 2003, 42, 6971-6973.	4.0	48
108	Using pyridine amidoximes in 3d-metal cluster chemistry: a novel ferromagnetic Ni12 complex from the use of pyridine-2-amidoxime. Dalton Transactions, 2008, , 3153.	3.3	48

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109	High pressure induced spin changes and magneto-structural correlations in hexametallic SMMs. Dalton Transactions, 2009, , 4858.	3.3	47
110	Pressureâ€Driven Orbital Reorientations and Coordinationâ€Sphere Reconstructions in [CuF₂(H₂O)₂(pyz)]. Angewandte Chemie - International Edition, 2012, 51, 7490-7494.	13.8	47
111	Microwave heating â€“ A new synthetic tool for cluster synthesis. Polyhedron, 2007, 26, 1927-1933.	2.2	46
112	Constructing clusters with enhanced magnetic properties by assembling and distorting Mn3 building blocks. Dalton Transactions, 2009, , 2812.	3.3	46
113	Polymetallic clusters of iron(iii) with derivatised salicylaldoximes. Dalton Transactions, 2008, , 2043.	3.3	45
114	Synthesis, structure and magnetic properties of a trinuclear [MniiiMnii2] single-molecule magnet. Chemical Communications, 2005, , 2083.	4.1	44
115	Squaring the cube: a family of octametallic lanthanide complexes including a Dy8 single-molecule magnet. Dalton Transactions, 2013, 42, 14693.	3.3	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.	13.7	43
117	Four Cubes and An Octahedron:Â A Nickel-Sodium Supracage Assembly. Journal of the American Chemical Society, 1996, 118, 11293-11294.	13.7	42
118	Wheel-like MnII6 and NiII6 complexes from the use of 2-pyridinealdoxime and carboxylates. Dalton Transactions, 2010, 39, 3563.	3.3	42
119	Synthesis, Structure, and Magnetism of a Family of Heterometallic {Cu2Ln7} and {Cu4Ln12} (Ln = Gd, Tb,) Tj ETQq1 1 0.784314 rgBT /O 2014, 53, 13154-13161.	4.0	42
120	[Cr^{III}₈M^{II}₆]¹²⁺ Coordination Cubes (M^{II}=Cu,â€‰Co). Angewandte Chemie - International Edition, 2015, 54, 6761-6764.	13.8	42
121	Tuning magnetic properties using targeted structural distortion: New additions to a family of Mn6 single-molecule magnets. Inorganica Chimica Acta, 2008, 361, 3420-3426.	2.4	40
122	Supramolecular Entanglement from Interlocked Molecular Nanomagnets. Crystal Growth and Design, 2009, 9, 24-27.	3.0	40
123	A centred, elongated â€˜ferric tetrahedronâ€™ with an S = 15/2 spin ground state. Dalton Transactions, 2004, , 975-976.	3.3	39
124	Polymerisation of a Cu(II) dimer into 1D chains using high pressure. CrystEngComm, 2009, 11, 2601.	2.6	39
125	Rare Oxidation-State Combinations and Unusual Structural Motifs in Hexanuclear Mn Complexes Using 2-Pyridyloximate Ligands. Inorganic Chemistry, 2010, 49, 4388-4390.	4.0	39
126	A new class of single-molecule magnets: mixed-valent [Mn12O8Cl4(O2CPh)8(hmp)6]. Chemical Communications, 2001, , 467-468.	4.1	38

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127	Tunable Dipolar Magnetism in High-Spin Molecular Clusters. Physical Review Letters, 2006, 97, 167202.	7.8	38
128	A family of double-bowl pseudo metallocalix[6]arene discs. Dalton Transactions, 2010, 39, 4809.	3.3	38
129	1,10-Phenanthroline-5,6-dione complexes of middle transition elements: Mono- and dinuclear derivatives. Inorganica Chimica Acta, 2008, 361, 2375-2384.	2.4	37
130	CO₂ as a reaction ingredient for the construction of metal cages: a carbonate-panelled [Gd₆Cu₃] tridiminished icosahedron. Chemical Communications, 2014, 50, 3498-3500.	4.1	37
131	Two new hexanuclear iron(iii) complexes with SÂ= 5 ground states. Dalton Transactions RSC, 2002, , 4005-4010.	2.3	36
132	New structural types and different oxidation levels in the family of Mn6-oxime single-molecule magnets. Dalton Transactions, 2008, , 6205.	3.3	36
133	Planar [Ni7] discs as double-bowl, pseudometallacalix[6]arenehost cavities. CrystEngComm, 2010, 12, 59-63.	2.6	36
134	Making â€˜wheelsâ€™ and â€˜cubesâ€™ from triangles. Dalton Transactions, 2006, , 3161-3163.	3.3	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. Inorganic Chemistry Communication, 2008, 11, 196-202.	3.9	35
136	Grafting Derivatives of Mn6 Single-Molecule Magnets with High Anisotropy Energy Barrier on Au(111) Surface. Journal of Physical Chemistry B, 2008, 112, 9729-9735.	2.6	35
137	Facile Interchange of 3d and 4f Ions in Singleâ€Molecule Magnets: Stepwise Assembly of [Mn₄], [Mn₃Ln] and [Mn₂Ln₂] Cages within Calix[4]arene Scaffolds. Chemistry - A European Journal, 2015, 21, 11212-11218.	3.3	35
138	Calix[4]arene supported clusters: a dimer of [MnIIIMnII] dimers. Chemical Communications, 2011, 47, 1440-1442.	4.1	34
139	Calixarene-supported clusters: employment of complementary cluster ligands for the construction of a ferromagnetic [Mn5] cage. Chemical Communications, 2012, 48, 11190.	4.1	34
140	Muons as a probe of magnetism in molecule-based low dimensional magnets. Journal of Physics Condensed Matter, 2004, 16, S4563-S4582.	1.8	33
141	Two Frustrated, Bitetrahedral Single-Molecule Magnets. Inorganic Chemistry, 2007, 46, 6215-6217.	4.0	33
142	pâ€tertâEButylcalix[8]arene: An Extremely Versatile Platform for Cluster Formation. Chemistry - A European Journal, 2012, 18, 16014-16022.	3.3	33
143	From antiferromagnetic to ferromagnetic exchange in a family of oxime-based MnIII dimers: a magneto-structural study. Dalton Transactions, 2013, 42, 16510.	3.3	33
144	Nanoscale Control of Polyoxometalate Assembly: A {Mn₈W₄} Cluster within a {W₃₆Si₄Mn₁₀} Cluster Showing a New Type of Isomerism. Chemistry - A European Journal, 2013, 19, 2976-2981.	3.3	33

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145	Clusters from Vertex- and Face-Sharing Adamantane-Like Units: A New Topology for Multinuclear Complexes. Angewandte Chemie International Edition in English, 1997, 36, 1967-1969.	4.4	32
146	Manganese (III) fluoride as a new synthon in Mn cluster chemistry. Polyhedron, 2005, 24, 2443-2449.	2.2	32
147	1,1,1-Tris(hydroxymethyl)propane in manganese carboxylate chemistry: synthesis, structure and magnetic properties of a mixed-valence [MnIII4MnII4] cluster featuring the novel [MnIII4MnII4(Î¼3-OR)6(Î¼2-OR)8]6+core. Dalton Transactions, 2006, , 351-356.	3.3	32
148	A New Polynuclear Coordination Type for (Salicylaldoxime)copper(II) Complexes: Structure and Magnetic Properties of an (Oxime)Cu₆ Cluster. European Journal of Inorganic Chemistry, 2009, 2009, 4613-4617.	2.0	32
149	Desolvating cubes and linking prisms: routes to high-nuclearity cobalt complexes. Chemical Communications, 1996, , 1439.	4.1	31
150	Magnetization tunneling in an enneanuclear manganese cage. Polyhedron, 2003, 22, 1771-1775.	2.2	31
151	New Mn12 single-molecule magnets from edge-sharing bioctahedra. Dalton Transactions, 2006, , 2285.	3.3	31
152	Vibrational coherences in manganese single-molecule magnets after ultrafast photoexcitation. Nature Chemistry, 2020, 12, 452-458.	13.6	31
153	Pressure induced enhancement of the magnetic ordering temperature in rhenium(IV) monomers. Nature Communications, 2016, 7, 13870.	12.8	30
154	Structural studies of heptanuclear cobalt complexes and larger oligomers based on heptanuclear fragments. Dalton Transactions RSC, 2000, , 3242-3252.	2.3	29
155	Magnetic and theoretical characterization of a ferromagnetic Mn(III) dimer. Polyhedron, 2005, 24, 2450-2454.	2.2	29
156	Fe(III) clusters built with tripodal alcohol ligands. Polyhedron, 2006, 25, 325-333.	2.2	29
157	A ligand-field study of the ground spin-state magnetic anisotropy in a family of hexanuclear Mn(iii) single-molecule magnets. Dalton Transactions, 2008, , 2277.	3.3	29
158	Pressure-induced switching in a copper(ii) citrate dimer. CrystEngComm, 2010, 12, 2516.	2.6	29
159	Bis-tris propane as a new multidentate ligand for nickel- and cobalt-based spin clusters. Dalton Transactions, 2011, 40, 334-336.	3.3	29
160	Two-dimensional frameworks built from Single-Molecule Magnets. CrystEngComm, 2012, 14, 1216.	2.6	29
161	Chiral Single-Chain Magnet: Helically Stacked [Mn^{III}₂Cu^{II}] Triangles. Inorganic Chemistry, 2014, 53, 4272-4274.	4.0	29
162	Studies of a linear single-molecule magnet. Dalton Transactions, 2007, , 5282.	3.3	28

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163	Ferromagnetic Ni^{II} Discs. Chemistry - A European Journal, 2009, 15, 12389-12398.	3.3	28
164	Ferromagnetic manganese â€œcubesâ€• from PSII to single-molecule magnets. Dalton Transactions, 2010, 39, 4777.	3.3	28
165	Magnetic Properties of Two New Fe₄ Singleâ€Molecule Magnets in the Solid State and in Frozen Solution. Chemistry - A European Journal, 2010, 16, 10178-10185.	3.3	27
166	Progressive decoration of pentanuclear Cu(ii) 12-metallacrown-4 nodes towards targeted 1- and 2D extended networks. CrystEngComm, 2013, 15, 6672.	2.6	27
167	A family of cationic oxime-based hexametallic manganese(iii) single-molecule magnets. Dalton Transactions, 2014, 43, 4408-4414.	3.3	27
168	Magnetic and magnetocaloric properties of an unusual family of carbonate-panelled [LnIII6ZnII2] cages. Dalton Transactions, 2015, 44, 10315-10320.	3.3	27
169	Molecular nanoclusters as magnetic refrigerants: The case of Fe14 with very large spin ground-state. Polyhedron, 2005, 24, 2573-2578.	2.2	26
170	Investigating the solid state hosting abilities of homo- and hetero-valent [Co7] metallocalix[6]arenes. Dalton Transactions, 2012, 41, 5610.	3.3	26
171	Structurally Flexible and Solution Stable [Ln₄TM₈(OH)₈(L)₈(O₂CR)₈(MeOH)_x]/_y A Playground for Magnetic Refrigeration. Inorganic Chemistry, 2016, 55, 10535-10546.	4.6	26
172	New routes to high nuclearity cages: dimerisation of a manganese triangle via solvothermal synthesis. Chemical Communications, 2003, , 2330-2331.	4.1	25
173	Ferromagnetic [Mn3] Single-Molecule Magnets and Their Supramolecular Networks. Australian Journal of Chemistry, 2009, 62, 1108.	0.9	25
174	Addressing the magnetic properties of sub-monolayers of single-molecule magnets by X-ray magnetic circular dichroism. Nanoscale, 2010, 2, 2698.	5.6	25
175	CoIILnIII dinuclear complexes (LnIIIÂ=ÂGd, Tb, Dy, Ho and Er) as platforms for 1,5-dicyanamide-bridged tetranuclear CoII2LnIII2 complexes: A magneto-structural and theoretical study. Comptes Rendus Chimie, 2012, 15, 878-888.	0.5	25
176	Metamagnetic behaviour in a new Cu(ii)Re(iv) chain based on the hexachlororhenate(iv) anion. Chemical Communications, 2014, 50, 5840.	4.1	25
177	A new family of Mn6 SMMs using phosphinate ligands. Dalton Transactions, 2010, 39, 4826.	3.3	24
178	Building Fe(iii) clusters with derivatised salicylaldoximes. Dalton Transactions, 2010, 39, 2727.	3.3	24
179	A cationic and ferromagnetic hexametallic Mn(iii) single-molecule magnet based on the salicylamidoxime ligand. Dalton Transactions, 2013, 42, 12824.	3.3	24
180	An [Fe^{III}₃₄] Molecular Metal Oxide. Angewandte Chemie - International Edition, 2019, 58, 16903-16906.	13.8	24

#	Article	IF	Citations
181	Novel octanuclear and enneanuclear manganese clusters with carboxylate and pyrimidine ligands. Dalton Transactions, 2003, , 513-514.	3.3	23
182	Tetrahedra, Superâ€Tetrahedra, Bipyramids, Boxes and More: Polymetallic Clusters of Benzotriazole. European Journal of Inorganic Chemistry, 2006, 2006, 2725-2733.	2.0	23
183	Electronic structure of aMn6(S=4)single molecule magnet grafted on Au(111). Physical Review B, 2008, 77, .	3.2	23
184	High pressure studies of hydroxo-bridged Cu(ii) dimers. Dalton Transactions, 2010, 39, 113-123.	3.3	23
185	Effect of Protonated Organic Cations and Anionâ˜Ï€ Interactions on the Magnetic Behavior of Hexabromorhenate(IV) Salts. Crystal Growth and Design, 2015, 15, 2598-2601.	3.0	23
186	Theoretical Study of the Magnetic Behavior of [Fe8] and [Fe16] Wheels. Inorganic Chemistry, 2004, 43, 5410-5415.	4.0	22
187	Assembling molecular triangles into discrete and infinite architectures. CrystEngComm, 2010, 12, 2064.	2.6	22
188	Molecular multifunctionality preservation upon surface deposition for a chiral single-molecule magnet. Chemical Science, 2019, 10, 3065-3073.	7.4	22
189	Exploiting hostâ€“guest chemistry to manipulate magnetic interactions in metallosupramolecular M₄L₆ tetrahedral cages. Chemical Science, 2021, 12, 5134-5142.	7.4	22
190	A high-spin molecular wheel from self-assembled â€˜Mn rodsâ€™. Dalton Transactions, 2007, , 532-534.	3.3	21
191	Influence of antisymmetric exchange interaction on quantum tunneling of magnetization in a dimeric molecular magnetMn6. Physical Review B, 2008, 78, .	3.2	21
192	A comparative EPR study of high- and low-spin Mn6 single-molecule magnets. Polyhedron, 2009, 28, 1788-1791.	2.2	21
193	Inelastic neutron scattering and frequency-domain magnetic resonance studies ofS=4andS=12Mn6single-molecule magnets. Physical Review B, 2010, 81, .	3.2	21
194	Oxacalix[3]arene-supported supertetrahedron. Chemical Communications, 2012, 48, 9263.	4.1	21
195	Cryogenic magnetocaloric effect in the Fe17 molecular nanomagnet. Polyhedron, 2013, 52, 1177-1180.	2.2	21
196	Circular serendipity: in situ ligand transformation for the self-assembly of an hexadecametallic [Cu^{II}₁₆] wheel. Chemical Communications, 2014, 50, 15002-15005.	4.1	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.	2.0	20
198	Rare tetranuclear mixed-valent [MnII2MnIV2] clusters as building blocks for extended networks. Dalton Transactions, 2008, , 4917.	3.3	20

#	Article	IF	Citations
199	A 1-D coordination polymer based on a Mn40 octagonal super-structure. Chemical Communications, 2013, 49, 1061.	4.1	20
200	Combining Complementary Ligands into one Framework for the Construction of a Ferromagnetically Coupled [Mn^{III}₁₂] Wheel. Chemistry - A European Journal, 2014, 20, 3010-3013.	3.3	20
201	The Effect of Crystal Packing and Re^{IV} Ions on the Magnetisation Relaxation of [Mn₆]â€Based Molecular Magnets. Chemistry - A European Journal, 2015, 21, 8790-8798.	3.3	20
202	Linked Supramolecular Building Blocks for Enhanced Cluster Formation. Chemistry - A European Journal, 2015, 21, 2804-2812.	3.3	20
203	In search of molecules displaying ferromagnetic exchange: multiple-decker Ni₁₂ and Ni₁₆ complexes from the use of pyridine-2-amidoxime. Dalton Transactions, 2016, 45, 17409-17419.	3.3	20
204	Polynuclear manganese amino acid complexes. Dalton Transactions, 2010, 39, 7943.	3.3	19
205	Hexametallic manganese clusters with bulky derivatised salicylaldoximes. Dalton Transactions, 2011, 40, 1693.	3.3	19
206	Switching the orientation of Jahnâ€“Teller axes in oxime-based Mn^{III} dimers and its effect upon magnetic exchange: a combined experimental and theoretical study. Dalton Transactions, 2015, 44, 19805-19811.	3.3	19
207	Copper Keplerates: Highâ€Symmetry Magnetic Molecules. ChemPhysChem, 2016, 17, 55-60.	2.1	19
208	In situ redox reactions facilitate the assembly of a mixed-valence metal-organic nanocapsule. Nature Communications, 2018, 9, 2119.	12.8	19
209	Overcrowding leads to prism reform: new polyhedra for polymetallic cages. Journal of the Chemical Society Dalton Transactions, 1997, , 3405-3406.	1.1	18
210	Synthesis and characterisation of a mixed-valence Mn13complex with S6symmetry by using 2-phenoxybenzoate. Dalton Transactions, 2007, , 728-730.	3.3	18
211	A F-bridged Mn(ii) molecular square. Chemical Communications, 2009, , 7024.	4.1	18
212	MCD spectroscopy of hexanuclear Mn(iii) salicylaldoxime single-molecule magnets. Dalton Transactions, 2010, 39, 9904.	3.3	18
213	Heterometallic Oximatoâ€Bridged Linear Trinuclear Ni^{II}â"M^{III}â"Ni^{II} (M^{III} = Mn, Fe, Tb) Complexes Constructed with the facâ€O₃ [Ni(HL)₃]^{â€"} Metalloligand (H₂L = pyrimidineâ€2â€carboxamide oxime): A Theoretical and Experimental Magnetoâ€Structural Study. European Journal of Inorganic Chemistry, 2011, 2011, 5225-5232.	2.0	18
214	[MIII2MII3]ⁿ⁺ trigonal bipyramidal cages based on diamagnetic and paramagnetic metalloligands. Chemical Science, 2017, 8, 5526-5535.	7.4	18
215	Complex chemistry of 2,2,6,6-tetramethyl-4-(2,2â€²â^¶6â€²,2â€³-terpyridin-4â€²-yloxy)piperidin-1-oxyl, a spin-labelled terpyridineâ€Šâ€¡. Journal of the Chemical Society Dalton Transactions, 1998, , 2477-2482.	1.1	17
216	High pressure effects on a trimetallic MnII/III SMM. Dalton Transactions, 2009, , 7390.	3.3	17

#	Article	IF	Citations
217	Calixarene-supported rare-earth clusters: heteroatom bridge influences cluster composition. Chemical Communications, 2012, 48, 8493.	4.1	17
218	Self-Assembly of the Hexabromorhenate(IV) Anion with Protonated Benzotriazoles: X-ray Structure and Magnetic Properties. Crystal Growth and Design, 2014, 14, 5985-5990.	3.0	17
219	A truncated [MnIII12] tetrahedron from oxime-based [MnIII3O] building blocks. Dalton Transactions, 2014, 43, 10690-10694.	3.3	17
220	A New Family of 3dâ€“4f Bisâ€Calix[4]areneâ€Supported Clusters. Chemistry - A European Journal, 2017, 23, 14073-14079.	3.3	17
221	Modular [Fe^{III}₈M^{II}₆]ⁿ⁺ (M^{II} = Pd, Co, Ni, Cu) Coordination Cages. Inorganic Chemistry, 2018, 57, 3500-3506.	4.0	17
222	Site-Specific Metal Chelation Facilitates the Unveiling of Hidden Coordination Sites in an Fe^{II}/Fe^{III}-Seamed Pyrogallol[4]arene Nanocapsule. Journal of the American Chemical Society, 2018, 140, 15611-15615.	13.7	17
223	Pressure-and temperature induced phase transitions, piezochromism, NLC behaviour and pressure controlled Jahnâ€“Teller switching in a Cu-based framework. Chemical Science, 2020, 11, 8793-8799.	7.4	17
224	Molecular Nanomagnets. Molecular Crystals and Liquid Crystals, 2002, 376, 301-313.	0.9	16
225	Frozen-solution magnetisation dynamics of hexanuclear oxime-based MnIII Single-Molecule Magnets. Chemical Science, 2010, 1, 631.	7.4	16
226	Accidentally on purpose: construction of a ferromagnetic, oxime-based [MnIII2] dimer. Dalton Transactions, 2011, 40, 9999.	3.3	16
227	Synthetic, structural, spectroscopic and theoretical study of a Mn(<scp>iii</scp>)â€“Cu(<scp>ii</scp>) dimer containing a Jahnâ€“Teller compressed Mn ion. Dalton Transactions, 2013, 42, 207-216.	3.3	16
228	Homo- and heterometallic planes, chains and cubanes. Dalton Transactions, 2013, 42, 10315.	3.3	16
229	Hexa- and octanuclear iron(iii) salicylaldoxime clusters. Dalton Transactions, 2011, 40, 2875.	3.3	15
230	Relaxation dynamics in a Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>7</mml:mn></mml:msub></mml:math>nanomagnet. Physical Review B, 2013, 87, .	3.2	15
231	High nuclearity Ni(<scp>ii</scp>) cages from hydroxamate ligands. RSC Advances, 2014, 4, 38182-38191.	3.6	15
232	Assembly of a calix[4]arene-supported MnIIIMnIIcluster mediated by halogen interactions. CrystEngComm, 2014, 16, 8098-8101.	2.6	15
233	Heterobimetallic nickelâ€“sodium and cobaltâ€“sodium complexes of pyridonate ligands. Journal of the Chemical Society Dalton Transactions, 1998, , 2657-2664.	1.1	14
234	New high-spin clusters featuring transition metals. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1999, 357, 3119-3137.	3.4	14

#	Article	IF	Citations
235	New derivatives of an enneanuclear Mn SMM. Polyhedron, 2007, 26, 1845-1848.	2.2	14
236	From single-molecule magnetism to long-range ferromagnetism in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Hpyr</mml:mtext><mml:mrow><mml:mo>[</mml:mo><mml:mrow><mml:msub><mml:mro Physical Review B, 2008, 77, .	3.2	14
237	Linear and cubane carboxylate clusters derived from di-2-pyridyl ketone: Synthesis, characterization and magnetic properties. Polyhedron, 2009, 28, 2017-2025.	2.2	14
238	Molecular and supramolecular Ni(II) wheels from Î±-benzoin oxime. Dalton Transactions, 2009, , 3388.	3.3	14
239	Touching the upper limit for ferromagnetic interactions in hetero-bridged dinuclear [Cu₂^{II}] complexes using a novel N₅-dinucleating ligand bearing an endogenous monoatomic amido(Râ€“NH^{â¯})-bridging group. Chemical Communications, 2012, 48, 805-807.	4.1	14
240	Discovering the pivotal role of carbonate in the formation of a bis-phenolate supported Co₁₅cluster. Chemical Communications, 2014, 50, 2202-2204.	4.1	14
241	Coming full circle: constructing a [Gd₆] wheel dimer by dimer and the importance of spin topology. Dalton Transactions, 2017, 46, 10255-10263.	3.3	14
242	[Fe₁₅]: a frustrated, centred tetrakis hexahedron. Chemical Communications, 2021, 57, 8925-8928.	4.1	14
243	Uncapped and polar capped prisms of cobalt and nickel. Journal of the Chemical Society Dalton Transactions, 1996, , 3745.	1.1	13
244	Surface binding vs. sequestration; the uptake of benzohydroxamic acid at iron(iii) oxide surfaces. Chemical Communications, 2008, , 4570.	4.1	13
245	The first amino acid manganese cluster: a [MnIV2MnIII3] dl-valine cage. Dalton Transactions, 2009, , 9117.	3.3	13
246	Transforming the cube: a tetranuclear cobalt(II) cubane cluster and its transformation to a dimer of dimers. CrystEngComm, 2009, 11, 2117.	2.6	13
247	Introduction to the themed issue on molecular magnets. Dalton Transactions, 2010, 39, 4671.	3.3	13
248	Complementary ligands direct the formation of a calix[8]arene-supported ferromagnetic MnIVMnIII dimer. Dalton Transactions, 2013, 42, 6697.	3.3	13
249	â€œConvertingâ€•an hexametallic Mn^{III} wheel to a dodecametallic Mn^{III} wheel via ligand oximation. Chemical Communications, 2014, 50, 3310-3312.	4.1	13
250	A hexameric [MnIII18Na₆] wheel based on [MnIII3O]⁷⁺ sub-units. Chemical Communications, 2016, 52, 12829-12832.	4.1	13
251	Core expansion of bis-calix[4]arene-supported clusters. Chemical Communications, 2016, 52, 14246-14249.	4.1	13
252	Magneto-structural correlations in a family of di-alkoxo bridged chromium dimers. Dalton Transactions, 2017, 46, 7159-7168.	3.3	13

#	Article	IF	Citations
253	Enhancement of Intermolecular Magnetic Exchange through HalogenÂ·Â·Â·Halogen Interactions in Bisadeninium Rhenium(IV) Salts. Crystal Growth and Design, 2017, 17, 5342-5348.	3.0	13
254	Magneto-structural correlations in a family of Re^{IV}Cu^{II} chains based on the hexachlororhenate(<scp>iv</scp>) metalloligand. Dalton Transactions, 2017, 46, 16025-16033.	3.3	13
255	Synthesis and magnetic properties of heptadecametallic Fe(III) clusters. Polyhedron, 2007, 26, 1835-1837.	2.2	12
256	Synthesis, structures and magnetic properties of two novel tetranuclear iron(III) single-molecule magnets: Enhanced energy barriers in solution. Polyhedron, 2009, 28, 1834-1837.	2.2	12
257	Quantum tunnelling of magnetization in the single-molecule magnet Mn6. New Journal of Chemistry, 2009, 33, 1231.	2.8	12
258	p-tert-Butylcalix[8]arene: A support for sodium and sodium-manganese clusters that exhibit interesting self-assembly properties. Dalton Transactions, 2011, 40, 12265.	3.3	12
259	Linking [MIII3] triangles with â€œdouble-headedâ€•phenolic oximes. Dalton Transactions, 2012, 41, 8777.	3.3	12
260	A family of hexanuclear Mn(III) single-molecule magnets. Journal of Coordination Chemistry, 2014, 67, 3972-3986.	2.2	12
261	Three-Leaf Quantum Interference Clovers in a Trigonal Single-Molecule Magnet. Physical Review Letters, 2014, 113, 087201.	7.8	12
262	Order in disorder: solution and solid-state studies of [MIII2MII5] wheels (M^{III} = Cr, Al;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.3	12
263	Access to new magnetic cores in Fe(III) and Fe(III)/Cu(II) spin clusters. Dalton Transactions, 2009, , 9395.	3.3	11
264	Linking [FeIII3] triangles with â€œdouble-headedâ€phenolic oximes. Chemical Communications, 2011, 47, 6018.	4.1	11
265	The remarkable influence of N,O-ligands in the assembly of a bis-calix[4]arene-supported [MnIV2MnIII10MnII8] cluster. Dalton Transactions, 2017, 46, 16807-16811.	3.3	11
266	Cages on a plane: a structural matrix for molecular â€˜sheetsâ€™. Dalton Transactions, 2018, 47, 15530-15537.	3.3	11
267	A simple methodology for constructing ferromagnetically coupled Cr(<scp>iii</scp>) compounds. Dalton Transactions, 2018, 47, 8100-8109.	3.3	11
268	Phthalocyanine-polyoxotungstate lanthanide double deckers. Dalton Transactions, 2020, 49, 16638-16642.	3.3	11
269	The coordination chemistry of p-tert-butylcalix[4]arene with paramagnetic transition and lanthanide metal ions: an Edinburgh Perspective. Dalton Transactions, 2022, 51, 4213-4226.	3.3	11
270	High nuclearity cobaltâ€“copper and nickelâ€“copper co-ordination complexes. Journal of the Chemical Society Dalton Transactions, 1997, , 3403-3404.	1.1	10

#	Article	IF	Citations
271	Neutron spectroscopy and magnetic relaxation of the Mn6 nanomagnets. Polyhedron, 2009, 28, 1940-1944.	2.2	10
272	Ã¢Â€ÂœNakedÃ¢Â€Â•[Mn3O]7+Triangles: The Effect of Auxiliary Ligands on Magnetic Exchange. European Journal of Inorganic Chemistry, 2010, 2010, 483-489.	2.0	10
273	Ferromagnetic exchange in a twisted, oxime-bridged [MnIII2] dimer. Dalton Transactions, 2012, 41, 8340.	3.3	10
274	Mono- and tetra-nuclear copper complexes bearing bis(imino)phenoxide derived ligands: catalytic evaluation for benzene oxidation and ROP of Îµ-caprolactone. RSC Advances, 2015, 5, 57414-57424.	3.6	10
275	[Cr^{III}₈M^{II}₆]ⁿ⁺ (M^{II} = Cu, Co) face-centred, metallosupramolecular cubes. CrystEngComm, 2016, 18, 4914-4920.	2.6	10
276	Hexahalorhenate(<scp>iv</scp>) salts of metal oxazolidine nitroxides. Dalton Transactions, 2017, 46, 5250-5259.	3.3	10
277	Oxidation State Distributions Provide Insight into Parameters Directing the Assembly of Metalâ€“Organic Nanocapsules. Journal of the American Chemical Society, 2018, 140, 13022-13027.	13.7	10
278	A [Mn₁₈] wheel-of-wheels. Chemical Communications, 2021, 57, 4122-4125.	4.1	10
279	Oxacalix[4]arene-supported di-, tetra- and undecanuclear copper(<scp>ii</scp>) clusters. Dalton Transactions, 2014, 43, 5292-5298.	3.3	9
280	Bisâ€Calix[4]arenes: From Ligand Design to the Directed Assembly of a Metalâ€“Organic Trigonal Antiprism. Chemistry - A European Journal, 2016, 22, 8791-8795.	3.3	9
281	Investigations into cluster formation with alkyl-tethered bis-calix[4]arenes. Supramolecular Chemistry, 2016, 28, 557-566.	1.2	9
282	Self-assembly of the tetrachlorido(oxalato)rhenate(iv) anion with protonated organic cations: X-ray structures and magnetic properties. CrystEngComm, 2017, 19, 503-510.	2.6	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. Dalton Transactions, 2017, 46, 10469-10483.	3.3	9
284	Design of pure heterodinuclear lanthanoid cryptate complexes. Chemical Science, 2021, 12, 6983-6991.	7.4	9
285	An [FeIII30] molecular metal oxide. Chemical Communications, 2021, 58, 52-55.	4.1	9
286	Heisenberg model of an {Fe8}-cubane cluster. Physical Review B, 2007, 76, .	3.2	8
287	High spin d5 complexes of tris(6-hydroxymethyl-2-pyridylmethyl)amine (H3L): hepta-coordinated [Mn(H3L)]Cl2and linear trinuclear [Fe3L2](ClO4)3. Dalton Transactions, 2008, , 551-558.	3.3	8
288	The Marriage of Inorganic and Organic Building Blocks for the Assembly of Rotaxanes. Angewandte Chemie - International Edition, 2009, 48, 6948-6949.	13.8	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.	3.3	8
290	Old dog, new tricks: 2,2â€²-biphenol as a bridging and book-end ligand in discrete and extended Co(ii) architectures. CrystEngComm, 2012, 14, 2732.	2.6	8
291	A bis-phenolate for the construction of linear lanthanide trimers. Chemical Communications, 2013, 49, 9552.	4.1	8
292	New members of the [Mn₆/oxime] family and analogues with converging [Mn₃] planes. Journal of Coordination Chemistry, 2016, 69, 826-840.	2.2	8
293	Importance of Steric Influences in the Construction of Multicomponent Hybrid Polymetallic Clusters. Inorganic Chemistry, 2017, 56, 10044-10053.	4.0	8
294	A Ferromagnetically Coupled, Bell-Shaped [Ni₄Gd₅] Cage. Inorganic Chemistry, 2019, 58, 11404-11409.	4.0	8
295	Crowding out: ligand modifications and their structure directing effects on brucite-like {M_x(Î¼₃-OH)_y} (M = Co(<scp>ii</scp>), Ni(<scp>ii</scp>)) core growth within polymetallic cages. Dalton Transactions, 2019, 48, 1477-1488.	3.3	8
296	Mono- and ditopic hydroxamate ligands towards discrete and extended network architectures. Dalton Transactions, 2019, 48, 10180-10190.	3.3	8
297	The relaxation times in tetranuclear manganese complex with. Physica B: Condensed Matter, 2000, 284-288, 1225-1226.	2.7	7
298	New octa- and dodecametallic mixed-valent Mn rods. Polyhedron, 2007, 26, 1923-1926.	2.2	7
299	Switching pairwise exchange interactions to enhance SMM properties. Comptes Rendus Chimie, 2008, 11, 1175-1181.	0.5	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.	2.2	7
301	Combining oxime-based [Mn₆] clusters with cyanometalates: 1D chains of [Mn₆] SMMs from [M(CN)₂]^{â^'} (M = Au, Ag). Dalton Transactions, 2014, 43, 4622-4625.	3.3	7
302	Influencing the Orientation of Jahn-Teller Axes in Butterfly-Like MnIII4Clusters. ChemPlusChem, 2014, 79, 667-670.	2.8	7
303	A [Ce₂₁] keplerate. Dalton Transactions, 2017, 46, 7677-7680.	3.3	7
304	Exploratory studies into 3d/4f cluster formation with fully bridge-substituted calix[4]arenes. Supramolecular Chemistry, 2018, 30, 504-509.	1.2	7
305	Vanadyl sulfates: molecular structure, magnetism and electrochemical activity. Dalton Transactions, 2018, 47, 15983-15993.	3.3	7
306	Putting the Squeeze on Molecule-Based Magnets: Exploiting Pressure to Develop Magneto-Structural Correlations in Paramagnetic Coordination Compounds. Magnetochemistry, 2020, 6, 32.	2.4	7

#	Article	IF	Citations
307	Magneto-structural studies of an unusual [Mn^{III}Mn^{II}Gd^{III}(OR)₄]^{4â^'} partial cubane from 2,2â€²-bis-p-^tBu-calix[4]arene. Dalton Transactions, 2020, 49, 14790-14797.	3.3	7
308	Exploiting complementary ligands for the construction of square antiprismatic monometallic lanthanide SMMs. Dalton Transactions, 2021, 50, 9648-9654.	3.3	7
309	Inelastic neutron scattering study of undeuterated [Mn9O7(OAc)11(thme)(py)3(H2O)2]. Polyhedron, 2005, 24, 2455-2458.	2.2	6
310	High-Pressure Study of Oxo-bridged Mixed-Valent MnIII/MnIV Dimers High-Pressure Study of Oxo-bridged Mixed-Valent MnIII/MnIV Dimers. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 221-230.	0.7	6
311	Surface Investigation on Gd₄M₈ (M = Zn, Ni) Single Molecule Coolers. Advanced Functional Materials, 2014, 24, 4782-4788.	14.9	6
312	A family of [Ni₈] cages templated by Î¼₆-peroxide from dioxygen activation. Inorganic Chemistry Frontiers, 2014, 1, 487-494.	6.0	6
313	Molecular Pac-Man and Tacos: layered Cu(ii) cages from ligands with high binding site concentrations. Dalton Transactions, 2015, 44, 13359-13368.	3.3	6
314	Effect of Ï€-aromatic spacers on the magnetic properties and slow relaxation of double stranded metallacyclophanes with a LnIIIâ€“MIIâ€“MIIâ€“LnIII (LnIIIâ€¯=â€¯GdIII, DyIII, YIII; MIIâ€¯=â€¯NiII, CoII) linear topology. Polyhedron, 2019, 170, 373-387.	2.2	6
315	Kinetic selection of Pd₄L₂ metallocyclic and Pd₆L₃ trigonal prismatic assemblies. Chemical Communications, 2020, 56, 11799-11802.	4.1	6
316	Hybrid lanthanide double-deckers based on calixarene and polyoxometalate units. Dalton Transactions, 2022, 51, 5409-5413.	3.3	6
317	Syntheses, structures and magnetism of homoleptic complexes of 4-{pyrid-4-yloxy}-2,2,6,6-tetramethyl-1-piperidinoxyl, a new spin-labelled pyridine. Journal of Organometallic Chemistry, 1999, 573, 171-179.	1.8	5
318	Frequency domain magnetic resonance spectroscopy on [Mn12]â^' and [Mn9]: Zero-field splittings and lineshape analysis. Polyhedron, 2005, 24, 2400-2404.	2.2	5
319	Bulking up: Hexanuclear oximato Fe(III) complexes surrounded by sterically demanding co-ligands. Inorganica Chimica Acta, 2014, 421, 416-422.	2.4	5
320	Turning a â€œuselessâ€•ligand into a â€œusefulâ€•ligand: a magneto-structural study of an unusual family of Cu^{II} wheels derived from functionalised phenolic oximes. Dalton Transactions, 2015, 44, 10177-10187.	3.3	5
321	A high-pressure crystallographic and magnetic study of Na₅[Mn(<scp>l</scp>-tart)₂]Â·12H₂O (<scp>l</scp>-tart) Tj ETQq1 1 0.784314 rgBT /Overlock	4.3	5
322	The structural manipulation of a series of Ni₄ defective dicubanes: Synthesis, X-ray Structures, Magnetic and Computational analyses. Dalton Transactions, 2021, 50, 5318-5326.	3.3	5
323	Guest-induced magnetic exchange in paramagnetic [M₂L₄]⁴⁺ coordination cages. Dalton Transactions, 2022, 51, 8377-8381.	3.3	5
324	Back Cover: Cryogenic Magnetocaloric Effect in a Ferromagnetic Molecular Dimer (Angew. Chem. Int.) Tj ETQq0 0 0 rgBT /Overlock 10 T	13.8	4

#	Article	IF	Citations
325	Hexakis(diethylacetamide)iron(II) hexahalorhenate(IV) ionic salts: X-ray structures and magnetic properties. Polyhedron, 2015, 98, 35-39.	2.2	4
326	Magneto-structural correlations in dirhenium(iv) complexes possessing magnetic pathways with even or odd numbers of atoms. Dalton Transactions, 2017, 46, 11890-11897.	3.3	4
327	A [Cr₂Ni] coordination polymer: slow relaxation of magnetization in quasi-one-dimensional ferromagnetic chains. Chemical Communications, 2018, 54, 6153-6156.	4.1	4
328	New salicylaldoximato-borate ligands resulting from anion hydrolysis and their respective copper and iron complexes. Dalton Transactions, 2019, 48, 11872-11881.	3.3	4
329	An [Fe III 34] Molecular Metal Oxide. Angewandte Chemie, 2019, 131, 17059-17062.	2.0	4
330	The first amino acid bound manganeseâ€“calcium clusters: a {[MnIII3Ca]₂} methylalanine complex, and a [MnIII6Ca] trigonal prism. Dalton Transactions, 2020, 49, 10339-10343.	3.3	4
331	With complements of the ligands: an unusual S-shaped [Mn₇]₂ assembly from tethered calixarenes. Dalton Transactions, 2020, 49, 9882-9887.	3.3	4
332	Phosphorylated-calix[4]arene double-deckers of single rare earth metal ions. Chemical Communications, 2021, 57, 8087-8090.	4.1	4
333	Synthesis and Characterization of Symmetrically versus Unsymmetrically Proton-Bridged Hexa-Iron Clusters. ACS Omega, 2021, 6, 16661-16669.	3.5	4
334	Metallcluster aus eckenâ€•und flÃchenverknÃ¼pften adamantanartigen Einheiten: eine neue Topologie bei Mehrkernkomplexen. Angewandte Chemie, 1997, 109, 2055-2057.	2.0	3
335	Magnetization tunneling in Mn[sub 12] and Mn[sub 4] single-molecule magnets. Journal of Applied Physics, 2002, 91, 7155.	2.5	3
336	High-field ground-state level crossing and magnetic susceptibility of an<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mo>{</mml:mo><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext> cluster. Physical Review B, 2009, 80, .	3.2	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. European Journal of Inorganic Chemistry, 2016, 2016, 5123-5131.	2.0	3
339	A new twist on an old ligand: a [Mn₁₆] double square wheel and a [Mn₁₀] contorted wheel. Inorganic Chemistry Frontiers, 2021, 8, 1804-1809.	6.0	3
340	[(VIVO)2MII5] (M = Ni, Co) Anderson wheels. Dalton Transactions, 2021, 50, 12495-12501.	3.3	3
341	Photoinduced Jahnâ€“Teller switch in Mn(<scp>iii</scp>) terpyridine complexes. Dalton Transactions, 2022, 51, 10751-10757.	3.3	3
342	Solvothermal synthesis of discrete cages and extended networks comprising {Cr(iii)3O(O2CR)3(oxime)3}2â^' (R = H, CH3, C(CH3)3, C14H9) building blocks. RSC Advances, 2016, 6, 73668-73676.	3.6	2

#	Article	IF	Citations
343	A Brucite-Like Mixed-Valent Cluster Capped by [MnIIIp-tBu-calix[4]arene]â˜ Moieties. Chemistry, 2020, 2, 253-261.	2.2	2
344	An [Fe^{III}₈] molecular oxyhydroxide. Dalton Transactions, 0, , .	3.3	2
345	Structural Variations and Magnetic Studies of Polymetallic Cages. Molecular Crystals and Liquid Crystals, 1999, 335, 263-282.	0.3	1
346	Nonexponential magnetization relaxation in a manganese single-molecule magnet. Physica B: Condensed Matter, 2003, 329-333, 1174-1175.	2.7	1
347	Building Molecular Minerals: All Ferric Pieces of Molecular Magnetite. Angewandte Chemie - International Edition, 2004, 43, 6581-6581.	13.8	1
348	[CrIII8NiII6]n+ Heterometallic Coordination Cubes. Molecules, 2021, 26, 757.	3.8	1
349	Utilizing Raman Spectroscopy as a Tool for Solid- and Solution-Phase Analysis of Metalloorganic Cage Hostâ€“Guest Complexes. Inorganic Chemistry, 2022, , .	4.0	1
350	VARIABLE FREQUENCY EPR STUDIES OF A CENTERED FeIII TETRAHEDRON. International Journal of Modern Physics B, 2004, 18, 3853-3856.	2.0	0
351	Innentitelbild: A [Mn32] Double-Decker Wheel (Angew. Chem. 19/2011). Angewandte Chemie, 2011, 123, 4326-4326.	2.0	0
352	Inside Cover: A [Mn32] Double-Decker Wheel (Angew. Chem. Int. Ed. 19/2011). Angewandte Chemie - International Edition, 2011, 50, 4238-4238.	13.8	0
353	Reprint of â€œCobalt(II) complexes of calix[6]arenes: Crystallographic studies into heteroatom bridge influence over discrete versus polymeric structure formationâ€• Polyhedron, 2013, 64, 388-392.	2.2	0
354	Frontispiece: Linked Supramolecular Building Blocks for Enhanced Cluster Formation. Chemistry - A European Journal, 2015, 21, n/a-n/a.	3.3	0
355	Crystal structure of 2-hydroxy-N-(2-hydroxyethyl)-N-{2-hydroxy-3-[(E)-N-hydroxyethanimidoyl]-5-methylbenzyl}ethanaminium acetate monohydrate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o186-o187.	0.5	0
356	VARIABLE FREQUENCY EPR STUDIES OF A CENTERED Fe^{III} TETRAHEDRON. , 2005, , .		0
357	Oxidation state variation in bis-calix[4]arene supported decametallic Mn clusters. Dalton Transactions, 2021, 50, 17566-17572.	3.3	0
358	Constructing â€œClosedâ€•and â€œOpenâ€•{Mn₈} Clusters. Crystal Growth and Design, 0, , .	3.0	0