

# Richard E P Winpenny

## List of Publications by Year in descending order

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244  
papers

19,687  
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17405

63  
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134  
g-index

264  
all docs

264  
docs citations

264  
times ranked

8078  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lanthanide Single-Molecule Magnets. <i>Chemical Reviews</i> , 2013, 113, 5110-5148.	23.0	2,379
2	On Approaching the Limit of Molecular Magnetic Anisotropy: A Near-Perfect Pentagonal Bipyramidal Dysprosium(III) Single-Molecule Magnet. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16071-16074.	7.2	778
3	Will Spin-Relaxation Times in Molecular Magnets Permit Quantum Information Processing?. <i>Physical Review Letters</i> , 2007, 98, 057201.	2.9	672
4	Magnetic relaxation pathways in lanthanide single-molecule magnets. <i>Nature Chemistry</i> , 2013, 5, 673-678.	6.6	649
5	Inter-ligand reactions: in situ formation of new polydentate ligands. <i>Dalton Transactions RSC</i> , 2000, , 2349-2356.	2.3	520
6	An electrostatic model for the determination of magnetic anisotropy in dysprosium complexes. <i>Nature Communications</i> , 2013, 4, 2551.	5.8	520
7	Molecule-based magnetic coolers. <i>Chemical Society Reviews</i> , 2014, 43, 1462-1475.	18.7	514
8	Single Pyramid Magnets: Dy <sub>5</sub> Pyramids with Slow Magnetic Relaxation to 40 K. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6530-6533.	7.2	458
9	The structures and magnetic properties of complexes containing 3d- and 4f-metals. <i>Chemical Society Reviews</i> , 1998, 27, 447.	18.7	451
10	Engineering the coupling between molecular spin qubits by coordination chemistry. <i>Nature Nanotechnology</i> , 2009, 4, 173-178.	15.6	374
11	Serendipitous assembly of polynuclear cage compounds. <i>Dalton Transactions RSC</i> , 2002, , 1-10.	2.3	370
12	Co <sup>II</sup> -Ln Mixed-Metal Phosphonate Grids and Cages as Molecular Magnetic Refrigerants. <i>Journal of the American Chemical Society</i> , 2012, 134, 1057-1065.	6.6	353
13	A monometallic lanthanide bis(methanediide) single molecule magnet with a large energy barrier and complex spin relaxation behaviour. <i>Chemical Science</i> , 2016, 7, 155-165.	3.7	300
14	A Trigonal Prismatic Mononuclear Cobalt(II) Complex Showing Single-Molecule Magnet Behavior. <i>Journal of the American Chemical Society</i> , 2015, 137, 9792-9795.	6.6	284
15	Large Magnetocaloric Effect in a Wells-Dawson Type {Ni <sub>6</sub> Gd <sub>6</sub> P <sub>6</sub> } Cage. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3692-3695.	7.2	278
16	Hybrid organic-inorganic rotaxanes and molecular shuttles. <i>Nature</i> , 2009, 458, 314-318.	18.7	256
17	The first near-linear bis(amide) f-block complex: a blueprint for a high temperature single molecule magnet. <i>Chemical Communications</i> , 2015, 51, 101-103.	2.2	236
18	Co <sup>II</sup> -Gd phosphonate complexes as magnetic refrigerants. <i>Chemical Science</i> , 2011, 2, 99-102.	3.7	234

#	ARTICLE	IF	CITATIONS
19	Phosphonate Ligands Stabilize Mixed-Valent $\{Mn^{II}2Mn^{III}\}$ Clusters with Large Spin and Coercivity. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5044-5048.	7.2	233
20	Studies of a nickel-based single molecule magnet: resonant quantum tunnelling in an $S = 12$ molecule. Electronic supplementary information (ESI) available: saturation magnetisation at 150 mK; $1/f \propto T^2$ vs. T. See <a href="http://www.rsc.org/suppdata/cc/b1/b108894g/">http://www.rsc.org/suppdata/cc/b1/b108894g/</a> . <i>Chemical Communications</i> , 2001, , 2666-2667.	2.2	228
21	Direct measurement of dysprosium(III) interactions in a single-molecule magnet. <i>Nature Communications</i> , 2014, 5, 5243.	5.8	223
22	Influence of the Bridging Ligand on Magnetic Relaxation in an Organometallic Dysprosium Single-Molecule Magnet. <i>Chemistry - A European Journal</i> , 2010, 16, 4442-4446.	1.7	221
23	Synthesis and Characterization of Heterometallic $\{Cr_7M\}$ Wheels. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 101-105.	7.2	205
24	Linking heterometallic rings for quantum information processing and amusement. <i>Chemical Society Reviews</i> , 2011, 40, 3067.	18.7	197
25	A modular design of molecular qubits to implement universal quantum gates. <i>Nature Communications</i> , 2016, 7, 11377.	5.8	196
26	Magnetic Anisotropy of the Antiferromagnetic Ring $[Cr_8F_8Piv_{16}]$ . <i>Chemistry - A European Journal</i> , 2002, 8, 277-285.	1.7	194
27	Studies of a Nickel-Based Single-Molecule Magnet. <i>Chemistry - A European Journal</i> , 2002, 8, 4867-4876.	1.7	194
28	Synthetic and Structural Studies of Cobalt(II) Pivalate Complexes. <i>Chemistry - A European Journal</i> , 2003, 9, 5142-5161.	1.7	185
29	Field- and temperature-dependent quantum tunnelling of the magnetisation in a large barrier single-molecule magnet. <i>Nature Communications</i> , 2018, 9, 3134.	5.8	170
30	Quantum Information Processing Using Molecular Nanomagnets As Qubits. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7992-7994.	7.2	162
31	Synthesis and Structural and Magnetic Characterization of Cobalt(II) Phosphonate Cage Compounds. <i>Inorganic Chemistry</i> , 2008, 47, 497-507.	1.9	141
32	Pentametallic lanthanide-alkoxide square-based pyramids: high energy barrier for thermal relaxation in a holmium single molecule magnet. <i>Chemical Communications</i> , 2011, 47, 10587.	2.2	141
33	$Mn^{II}Gd^{III}$ Phosphonate Cages with a Large Magnetocaloric Effect. <i>Chemistry - A European Journal</i> , 2012, 18, 4161-4165.	1.7	135
34	A ring cycle: studies of heterometallic wheels. <i>Chemical Communications</i> , 2007, , 1789.	2.2	131
35	On Approaching the Limit of Molecular Magnetic Anisotropy: A Near-Perfect Pentagonal Bipyramidal Dysprosium(III) Single-Molecule Magnet. <i>Angewandte Chemie</i> , 2016, 128, 16305-16308.	1.6	121
36	The Magnetic Fibonacci Strip: Synthesis, Structure, and Magnetic Studies of Odd-Numbered Antiferromagnetically Coupled Wheels. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5196-5200.	7.2	120

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37	A classification of spin frustration in molecular magnets from a physical study of large odd-numbered-metal, odd electron rings. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19113-19118.	3.3	114
38	Heterometallic Rings: Their Physics and use as Supramolecular Building Blocks. Angewandte Chemie - International Edition, 2015, 54, 14244-14269.	7.2	114
39	Ferric Wheels and Cages: Decanuclear Iron Complexes with Carboxylato and Pyridonato Ligands. Angewandte Chemie International Edition in English, 1996, 35, 1825-1828.	4.4	111
40	Spin dynamics of molecular nanomagnets unravelled at atomic scale by four-dimensional inelastic neutron scattering. Nature Physics, 2012, 8, 906-911.	6.5	108
41	A Study of Magnetic Relaxation in Dysprosium(III) Single-Molecule Magnets. Chemistry - A European Journal, 2020, 26, 5893-5902.	1.7	108
42	Systematic Study of a Family of Butterfly-Like $\{M_{2}Ln_{2}\}$ Molecular Magnets (M) Tj ETQq0 0 0 rgBT /Overlock 1	1.9	107
43	Harnessing the Extracellular Bacterial Production of Nanoscale Cobalt Ferrite with Exploitable Magnetic Properties. ACS Nano, 2009, 3, 1922-1928.	7.3	105
44	Synthesis and Characterization of Mixed-Valent Manganese Phosphonate Cage Complexes. Chemistry - A European Journal, 2006, 12, 8777-8785.	1.7	104
45	Engineering coherent interactions in molecular nanomagnet dimers. Npj Quantum Information, 2015, 1, .	2.8	101
46	Magnetic and Structural Studies of Copper-Lanthanoid Complexes; the Synthesis and Structures of New $Cu_{3}Ln$ Complexes of 6-chloro-2-pyridone (Ln = Gd, Dy and Er) and Magnetic Studies on $Cu_{2}Gd_{2}$ , $Cu_{4}Gd_{2}$ and $Cu_{3}Gd$ Complexes. Chemistry - A European Journal, 1995, 1, 614-618.	1.7	99
47	A Decanuclear Iron(III) Single Molecule Magnet: Use of Monte Carlo Methodology To Model the Magnetic Properties. Inorganic Chemistry, 2001, 40, 188-189.	1.9	99
48	Nickel pivalate complexes: structural variations and magnetic susceptibility and inelastic neutron scattering studies. Dalton Transactions, 2004, , 2758-2766.	1.6	99
49	Making hybrid [n]-rotaxanes as supramolecular arrays of molecular electron spin qubits. Nature Communications, 2016, 7, 10240.	5.8	91
50	Correlating blocking temperatures with relaxation mechanisms in monometallic single-molecule magnets with high energy barriers ( $U_{eff} > 600$ K). Chemical Communications, 2019, 55, 7025-7028.	2.2	90
51	Molecular amino-phosphonate cobalt-lanthanide clusters. Chemical Communications, 2013, 49, 3522.	2.2	86
52	Heterometallic Compounds Involving d- and f-Block Elements: Synthesis, Structure, and Magnetic Properties of Two New $Ln_{x}Cu_{4}$ Complexes. Angewandte Chemie International Edition in English, 1991, 30, 1139-1141.	4.4	82
53	EPR Spectroscopy of a Family of $Cr^{III}M^{II}$ ( $M = Cd, Zn, Mn, Ni$ ) "Wheels" Studies of Isostructural Compounds with Different Spin Ground States. Chemistry - A European Journal, 2009, 15, 3152-3167.	1.7	77
54	Structural Chemistry of Pyridonate Complexes of Late 3d-Metals. Accounts of Chemical Research, 1997, 30, 89-95.	7.6	74

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55	Topological Self-Assembly of Highly Symmetric Lanthanide Clusters: A Magnetic Study of Exchange-Coupling "Fingerprints" in Giant Gadolinium(III) Cages. <i>Journal of the American Chemical Society</i> , 2017, 139, 16405-16411.	6.6	74
56	Physical studies of heterometallic rings: an ideal system for studying magnetically-coupled systems. <i>Chemical Society Reviews</i> , 2013, 42, 1796-1806.	18.7	73
57	Measurement of Magnetic Exchange in Asymmetric Lanthanide Dimetallics: Toward a Transferable Theoretical Framework. <i>Journal of the American Chemical Society</i> , 2018, 140, 2504-2513.	6.6	73
58	Horseshoes, Rings, and Distorted Rings: Studies of Cyclic Chromium-Fluoride Cages. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5978-5981.	7.2	72
59	Mononuclear Dysprosium Alkoxide and Aryloxide Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2021, 27, 7625-7645.	1.7	72
60	Studies of hysteresis and quantum tunnelling of the magnetisation in dysprosium(<sc>iii</sc>) single molecule magnets. <i>Dalton Transactions</i> , 2019, 48, 8541-8545.	1.6	71
61	Single-Molecule Magnetism in Tetrametallic Terbium and Dysprosium Thiolate Cages. <i>Organometallics</i> , 2013, 32, 1224-1229.	1.1	67
62	A Ring of Rings and Other Multicomponent Assemblies of Cages. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9932-9935.	7.2	66
63	Physicochemical Properties of Near-Linear Lanthanide(II) Bis(silylamide) Complexes (Ln = Sm, Eu, Tm, Yb). <i>Inorganic Chemistry</i> , 2016, 55, 10057-10067.	1.9	66
64	Heterometallic Rings Made From Chromium Stick Together Easily. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9681-9684.	7.2	64
65	Engineering electronic structure to prolong relaxation times in molecular qubits by minimising orbital angular momentum. <i>Nature Communications</i> , 2019, 10, 3330.	5.8	64
66	Electric Field Control of Spins in Molecular Magnets. <i>Physical Review Letters</i> , 2019, 122, 037202.	2.9	64
67	Influencing the nuclearity and constitution of heterometallic rings via templates. <i>Chemical Communications</i> , 2005, , 3649.	2.2	63
68	Importance of the Anisotropic Exchange Interaction for the Magnetic Anisotropy of Polymetallic Systems. <i>Journal of the American Chemical Society</i> , 2007, 129, 760-761.	6.6	62
69	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
70	Spectroscopic and Reactivity Studies of a Copper-Containing Metallacrown. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 195-197.	4.4	60
71	A Systematic Exploration of Nickel"Pyrazolinato Chemistry with Alkali Metals: New Cages From Serendipitous Assembly. <i>Chemistry - A European Journal</i> , 2003, 9, 3024-3032.	1.7	59
72	A family of heterometallic wheels containing potentially fourteen hundred siblings. <i>Chemical Communications</i> , 2005, , 1125-1127.	2.2	59

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73	Studies of an Fe <sub>9</sub> Tridiminished Icosahedron. Chemistry - A European Journal, 2006, 12, 8961-8968.	1.7	59
74	Elucidating the Mode of Action of a Corrosion Inhibitor for Iron. Chemistry - A European Journal, 2000, 6, 1407-1415.	1.7	58
75	Molecular nanomagnets with switchable coupling for quantum simulation. Scientific Reports, 2014, 4, 7423.	1.6	58
76	Chromium chains as polydentate fluoride ligands for lanthanides. Chemical Communications, 2011, 47, 6251.	2.2	57
77	Supramolecular Dimers and Chains Resulting from Second Coordination Sphere Interactions. Crystal Growth and Design, 2007, 7, 1825-1831.	1.4	56
78	Synthesis, Structure, and Dynamic Properties of Hybrid Organic-Inorganic Rotaxanes. Journal of the American Chemical Society, 2010, 132, 15435-15444.	6.6	56
79	Synthesis, structure and magnetic properties of hydroxyquinaldine-bridged cobalt and nickel cubanes. Dalton Transactions, 2003, , 4466-4471.	1.6	55
80	Quantum Monte Carlo simulations of a giant {Ni <sub>21</sub> Gd <sub>20</sub> } cage with a S=91 spin ground state. Nature Communications, 2018, 9, 2107.	5.8	55
81	Synthesis and Characterization of Heterometallic {Cr <sub>7</sub> M} Wheels. Angewandte Chemie, 2003, 115, 105-109.	1.6	54
82	Octa-, Deca-, Trideca-, and Tetradecanuclear Heterometallic Cyclic Chromium-Copper Cages. Angewandte Chemie - International Edition, 2008, 47, 924-927.	7.2	54
83	Iron Lanthanide Phosphonate Clusters: {Fe <sub>6</sub> Ln <sub>6</sub> P <sub>6</sub> } Wells-Dawson-like Structures with <i>D<sub>3d</sub></i> Symmetry. Inorganic Chemistry, 2014, 53, 3032-3038.	1.9	52
84	Quantum Monte Carlo Simulations and High-Field Magnetization Studies of Antiferromagnetic Interactions in a Giant Heterospin Ring. Angewandte Chemie - International Edition, 2017, 56, 16571-16574.	7.2	52
85	Reverse-Keggin Ions: Polycondensation of Antimonate Ligands Give Inorganic Cryptand. Journal of the American Chemical Society, 2007, 129, 3042-3043.	6.6	51
86	Supertetrahedral and Bi-supertetrahedral Cages: Synthesis, Structures, and Magnetic Properties of Deca- and Enneadecanuclear Cobalt(II) Clusters. Angewandte Chemie - International Edition, 2008, 47, 9695-9699.	7.2	50
87	A One-Pot Synthesis of Monodispersed Iron Cobalt Oxide and Iron Manganese Oxide Nanoparticles from Bimetallic Pivalate Clusters. Chemistry of Materials, 2014, 26, 999-1013.	3.2	50
88	Self-Assembly of Catalytically Active Supramolecular Coordination Compounds within Metal-Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 10350-10360.	6.6	50
89	Nanoscale Cages of Manganese and Nickel with Rock Salt Cores. Journal of the American Chemical Society, 1998, 120, 7365-7366.	6.6	49
90	Changing cage structures through inter-ligand repulsions. Chemical Communications, 2000, , 811-812.	2.2	49

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91	Chemical specificity in REDOX-responsive materials: the diverse effects of different Reactive Oxygen Species (ROS) on polysulfide nanoparticles. <i>Polymer Chemistry</i> , 2014, 5, 1393.	1.9	49
92	Plasma-Etched Pattern Transfer of Sub-10 nm Structures Using a Metal-Organic Resist and Helium Ion Beam Lithography. <i>Nano Letters</i> , 2019, 19, 6043-6048.	4.5	49
93	Magnetic and Optical Studies on an $S = 6$ Ground-State Cluster $[\text{Cr}_{12}\text{O}_9(\text{OH})_3(\text{O}_2\text{CCMe}_3)_{15}]$ : Determination of, and the Relationship Between, Single-Ion and Cluster Spin Hamiltonian Parameters. <i>Inorganic Chemistry</i> , 2003, 42, 5293-5303.	1.9	48
94	Coherent electron spin manipulation in a dilute oriented ensemble of molecular nanomagnets: pulsed EPR on doped single crystals. <i>Chemical Communications</i> , 2014, 50, 91-93.	2.2	46
95	Minor changes in phosphonate ligands lead to new hexa- and dodeca-nuclear Mn clusters. <i>Journal of Materials Chemistry</i> , 2006, 16, 2576.	6.7	45
96	Synthesis, Structural and Magnetochemical Studies of Iron Phosphonate Cages Based on $\{\text{Fe}_3\text{O}\}_7$ -Core. <i>Inorganic Chemistry</i> , 2009, 48, 5338-5349.	1.9	45
97	Syntheses and x-ray structural characterizations of three-coordinate gold(I) and silver(I) complexes with the potentially tetradentate ligand tris(2-(diphenylphosphino)ethyl)amine (NP3): $[\text{Au}_2(\text{NP}_3)_2](\text{BPh}_4)_2$ , $\text{Au}(\text{NP}_3)\text{PF}_6$ , $\text{Au}(\text{NP}_3)\text{NO}_3$ , $\text{Ag}(\text{NP}_3)\text{NO}_3$ , and $\text{Ag}(\text{NP}_3)\text{PF}_6$ . The Au(I) compounds are luminescent. <i>Inorganic Chemistry</i> , 1993, 32, 5800-5807.	1.9	43
98	Four Cubes and An Octahedron: A Nickel-Sodium Supracage Assembly. <i>Journal of the American Chemical Society</i> , 1996, 118, 11293-11294.	6.6	42
99	Self-Assembled Monolayer of $\text{Cr}_7\text{Ni}$ Molecular Nanomagnets by Sublimation. <i>ACS Nano</i> , 2011, 5, 7090-7099.	7.3	42
100	Observation of the influence of dipolar and spin frustration effects on the magnetocaloric properties of a trigonal prismatic $\{\text{Gd}_7\}$ molecular nanomagnet. <i>Chemical Science</i> , 2016, 7, 4891-4895.	3.7	42
101	Controlled Synthesis of Nanoscopic Metal Cages. <i>Journal of the American Chemical Society</i> , 2015, 137, 7644-7647.	6.6	41
102	Exchange-Biasing in a Dinuclear Dysprosium(III) Single-Molecule Magnet with a Large Energy Barrier for Magnetisation Reversal. <i>Chemistry - A European Journal</i> , 2020, 26, 6773-6777.	1.7	41
103	Dysprosiacarboranes as Organometallic Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9350-9354.	7.2	41
104	Synthesis, structure, and preliminary magnetic studies of unprecedented hexacopper(ii) barrel clusters with spin ground state $S = 3$ . <i>Dalton Transactions</i> , 2003, , 2318-2324.	1.6	38
105	Studies of Finite Molecular Chains: Synthesis, Structural, Magnetic and Inelastic Neutron Scattering Studies of Hexa- and Heptanuclear Chromium Horseshoes. <i>Chemistry - A European Journal</i> , 2008, 14, 5144-5158.	1.7	38
106	A pseudo-icosahedral cage $\{\text{Gd}_{12}\}$ based on aminomethylphosphonate. <i>Dalton Transactions</i> , 2016, 45, 9041-9044.	1.6	38
107	Templating Open- and Closed-Chain Structures around Metal Complexes of Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6132-6135.	7.2	36
108	Isolated Heterometallic $\text{Cr}_7\text{Ni}$ Rings Grafted on Au(111) Surface. <i>Inorganic Chemistry</i> , 2007, 46, 4937-4943.	1.9	36

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109	Rings and threads as linkers in metal-organic frameworks and poly-rotaxanes. <i>Chemical Communications</i> , 2013, 49, 7195.	2.2	36
110	Engineering in Hybrid Rotaxanes To Create AB and AB <sub>2</sub> Electron Spin Systems: EPR Spectroscopic Studies of Weak Interactions between Dissimilar Electron Spin Qubits. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10858-10861.	7.2	36
111	Syntheses and characterization of gold(I) and platinum(II) complexes containing tris(2-cyanoethyl)phosphine. X-ray crystal structures of [(CEP) <sub>2</sub> Au]Cl, cis-(CEP)(Et <sub>2</sub> S)PtCl <sub>2</sub> , and trans-(CEP) <sub>2</sub> PtCl <sub>2</sub> . <i>Inorganic Chemistry</i> , 1993, 32, 2502-2505.	1.9	35
112	A Cost-Effective Semi-Ab Initio Approach to Model Relaxation in Rare-Earth Single-Molecule Magnets. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8826-8832.	2.1	35
113	A large barrier single-molecule magnet without magnetic memory. <i>Dalton Transactions</i> , 2019, 48, 10795-10798.	1.6	34
114	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
115	A Spectroscopic Investigation of Magnetic Exchange Between Highly Anisotropic Spin Centers. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4007-4011.	7.2	33
116	Wells Dawson Cages as Molecular Refrigerants. <i>Inorganic Chemistry</i> , 2013, 52, 13702-13707.	1.9	33
117	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
118	On the Possibility of Magneto-Structural Correlations: Detailed Studies of Dinickel Carboxylate Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 8464-8472.	1.9	32
119	Deposition of Functionalized Cr <sub>7</sub> Ni Molecular Rings on Graphite from the Liquid Phase. <i>Advanced Functional Materials</i> , 2010, 20, 1552-1560.	7.8	31
120	A novel dodecanuclear chromium(III) cage: structural control by choice of leaving group. <i>Chemical Communications</i> , 2000, , 579-580.	2.2	30
121	Structural studies of heptanuclear cobalt complexes and larger oligomers based on heptanuclear fragments. <i>Dalton Transactions RSC</i> , 2000, , 3242-3252.	2.3	29
122	Quantum spin coherence in halogen-modified Cr <sub>7</sub> Ni molecular nanomagnets. <i>Physical Review B</i> , 2014, 90, .	1.1	29
123	Probing Relaxation Dynamics in Five-Coordinate Dysprosium Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2020, 26, 7774-7778.	1.7	29
124	The Trimetallic Cation [Hg <sub>2</sub> Pt(CH <sub>2</sub> P(S)Ph <sub>2</sub> ) <sub>4</sub> ] <sub>2</sub> <sup>+</sup> in [Hg <sub>2</sub> Pt(CH <sub>2</sub> P(S)Ph <sub>2</sub> ) <sub>4</sub> ] <sub>2</sub> X <sub>2</sub> , X = BPh <sub>4</sub> <sup>-</sup> , PF <sub>6</sub> <sup>-</sup> An Isoelectronic Analog of Au <sub>2</sub> Pt(CH <sub>2</sub> P(S)Ph <sub>2</sub> ) <sub>4</sub> . <i>Inorganic Chemistry</i> , 1995, 34, 426-431.	1.9	28
125	Magnetic Anisotropy of Cr <sub>7</sub> Ni Spin Clusters on Surfaces. <i>Advanced Functional Materials</i> , 2012, 22, 3706-3713.	7.8	28
126	Structural characterisation methods for supramolecular chemistry that go beyond crystallography. <i>Chemical Society Reviews</i> , 2022, 51, 8-27.	18.7	28



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127	Families of High Nuclearity Cages. Comments on Inorganic Chemistry, 1999, 20, 233-262.	3.0	27
128	Chemical Control of Spin Propagation between Heterometallic Rings. Chemistry - A European Journal, 2011, 17, 14020-14030.	1.7	27
129	Synthesis of monodispersed magnetite nanoparticles from iron pivalate clusters. Dalton Transactions, 2013, 42, 196-206.	1.6	27
130	Studies of a Large Odd-Numbered Odd-Electron Metal Ring: Inelastic Neutron Scattering and Muon Spin Relaxation Spectroscopy of Cr <sub>8</sub> Mn. Chemistry - A European Journal, 2016, 22, 1779-1788.	1.7	27
131	Decarboxylation of (triphenylphosphine)gold(I) carboxylates. Organometallics, 1991, 10, 2178-2183.	1.1	26
132	Modeling Surface Engineering: Use of Polymetallic Iron Cages and Computer Graphics To Understand the Mode of Action of a Corrosion Inhibitor. Angewandte Chemie - International Edition, 1998, 37, 3245-3248.	7.2	26
133	The acid test: the chemistry of carboxylic acid functionalised {Cr <sub>7</sub> Ni} rings. Chemical Science, 2014, 5, 235-239.	3.7	26
134	A Detailed Study of the Magnetism of Chiral {Cr <sub>7</sub> M} Rings: An Investigation into Parametrization and Transferability of Parameters. Journal of the American Chemical Society, 2014, 136, 9763-9772.	6.6	26
135	[CrF(O <sub>2</sub> C <sup>sup</sup> <i>t</i>Bu) <sub>2</sub> ] <sub>9</sub> : Synthesis and Characterization of a Regular Homometallic Ring with an Odd Number of Metal Centers and Electrons. Angewandte Chemie - International Edition, 2016, 55, 8856-8859.	7.2	26
136	Measuring Spin-Spin Interactions between Heterospins in a Hybrid [2]Rotaxane. Angewandte Chemie - International Edition, 2017, 56, 3876-3879.	7.2	26
137	An Extensive Family of Heterometallic Titanium(IV)-Metal(III) Rings with Structure Control through Templates. Angewandte Chemie - International Edition, 2017, 56, 13629-13632.	7.2	25
138	Electronic structures of bent lanthanide(III) complexes with two N-donor ligands. Chemical Science, 2019, 10, 10493-10502.	3.7	25
139	Low temperature magnetic properties and spin dynamics in single crystals of Cr <sub>8</sub> Zn antiferromagnetic molecular rings. Journal of Chemical Physics, 2015, 143, 244321.	1.2	23
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