

# Richard E P Winpenny

## List of Publications by Year in descending order

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Version: 2024-02-01

244  
papers

19,687  
citations

17405

63  
h-index

11899

134  
g-index

264  
all docs

264  
docs citations

264  
times ranked

8078  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural characterisation methods for supramolecular chemistry that go beyond crystallography. <i>Chemical Society Reviews</i> , 2022, 51, 8-27.	18.7	28
2	Studies of the Temperature Dependence of the Structure and Magnetism of a Hexagonal-Bipyramidal Dysprosium(III) Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2022, 61, 227-235.	1.9	13
3	Tuning the Performance of Negative Tone Electron Beam Resists for the Next Generation Lithography. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	12
4	Sensitivity enhancement of a high-resolution negative-tone nonchemically amplified metal organic photoresist for extreme ultraviolet lithography. <i>Journal of Micro-nanopatterning, Materials, and Metrology</i> , 2022, 21, .	0.4	0
5	Decorating polymer beads with 1014 inorganic-organic [2]rotaxanes as shown by spin counting. <i>Communications Chemistry</i> , 2022, 5, .	2.0	3
6	New Homometallic Octanuclear Chromium(III) Rings. <i>Chemistry Journal of Moldova</i> , 2022, 17, 9-17.	0.3	0
7	Nanoscale Patterning of Zinc Oxide from Zinc Acetate Using Electron Beam Lithography for the Preparation of Hard Lithographic Masks. <i>ACS Applied Nano Materials</i> , 2021, 4, 406-413.	2.4	14
8	Gold( $\langle \text{sc} \rangle \text{i} \langle / \text{sc} \rangle$ ) bridged dimeric and trimeric heterometallic $\{\text{Cr}_{\langle \text{sub} \rangle 7 \langle / \text{sub} \rangle} \text{Ni}\}$ -based qubit systems and their characterization. <i>Dalton Transactions</i> , 2021, 50, 4390-4395.	1.6	2
9	Targeting molecular quantum memory with embedded error correction. <i>Chemical Science</i> , 2021, 12, 9104-9113.	3.7	19
10	Slow magnetic relaxation in distorted tetrahedral Dy( $\langle \text{sc} \rangle \text{iii} \langle / \text{sc} \rangle$ ) aryloxide complexes. <i>Chemical Communications</i> , 2021, 57, 9208-9211.	2.2	17
11	The Synthesis and Characterisation of a Molecular Seaâ€Serpent: Studies of a $\{\text{Cr}_{24} \text{Cu}_{7}\}$ Chain. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9489-9492.	7.2	2
12	Mononuclear Dysprosium Alkoxide and Aryloxide Singleâ€Molecule Magnets. <i>Chemistry - A European Journal</i> , 2021, 27, 7625-7645.	1.7	72
13	The Synthesis and Characterisation of a Molecular Seaâ€Serpent: Studies of a $\{\text{Cr}_{24} \text{Cu}_{7}\}$ Chain. <i>Angewandte Chemie</i> , 2021, 133, 9575-9578.	1.6	1
14	Frontispiece: Mononuclear Dysprosium Alkoxide and Aryloxide Singleâ€Molecule Magnets. <i>Chemistry - A European Journal</i> , 2021, 27, .	1.7	1
15	Magnetic Properties and Second Harmonic Generation of Noncentrosymmetric Cyanido-Bridged Ln(III)â€W(V) Assemblies. <i>Inorganic Chemistry</i> , 2021, 60, 12009-12019.	1.9	9
16	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
17	Single Isomer Heterometallic $\{\text{Cr}^{\langle \text{sup} \rangle \text{III} \langle / \text{sup} \rangle} \langle \text{sub} \rangle 6 \langle / \text{sub} \rangle \text{M}^{\langle \text{sup} \rangle \text{II} \langle / \text{sup} \rangle} \langle \text{sub} \rangle 2 \langle / \text{sub} \rangle\}$ Rings Templated by Tetramethylammonium. <i>Inorganic Chemistry</i> , 2021, 60, 15675-15685.	1.9	2
18	Heterometallic 3dâ€4f Complexes as Air-Stable Molecular Precursors in Low Temperature Syntheses of Stoichiometric Rare-Earth Orthoferrite Powders. <i>Inorganic Chemistry</i> , 2020, 59, 15796-15806.	1.9	7

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19	Single Ion Anisotropy of CrIII and FeIII in a Series of {Ti7M} Rings. <i>Applied Magnetic Resonance</i> , 2020, 51, 1251-1265.	0.6	2
20	Paul O'Brien. 22 January 1954–16 October 2018. <i>Biographical Memoirs of Fellows of the Royal Society</i> , 2020, 69, 443-466.	0.1	2
21	Magnetic exchange interactions in symmetric lanthanide dimetallics. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3909-3918.	3.0	12
22	Conformational Flexibility of Hybrid [3]- and [4]-Rotaxanes. <i>Journal of the American Chemical Society</i> , 2020, 142, 15941-15949.	6.6	12
23	Dimerized p-Semiquinone Radical Anions Stabilized by a Pair of Rare-Earth Metal Ions. <i>Inorganic Chemistry</i> , 2020, 59, 7371-7375.	1.9	7
24	Probing Relaxation Dynamics in Five-Coordinate Dysprosium Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2020, 26, 7774-7778.	1.7	29
25	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
26	A Study of Magnetic Relaxation in Dysprosium(III) Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2020, 26, 5893-5902.	1.7	108
27	Dysprosiacarboranes as Organometallic Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9350-9354.	7.2	41
28	Dysprosiacarboranes as Organometallic Single-Molecule Magnets. <i>Angewandte Chemie</i> , 2020, 132, 9436-9440.	1.6	6
29	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
30	Reversible uptake of sulfur-containing gases by single crystals of a Cr8 metallocrown. <i>Dalton Transactions</i> , 2019, 48, 13184-13189.	1.6	3
31	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
32	Close Encounters of the Weak Kind: Investigations of Electron-Electron Interactions between Dissimilar Spins in Hybrid Rotaxanes. <i>Journal of the American Chemical Society</i> , 2019, 141, 14633-14642.	6.6	9
33	A [13]rotaxane assembled via a palladium molecular capsule. <i>Nature Communications</i> , 2019, 10, 3720.	5.8	19
34	A Clock Transition in the Cr7Mn Molecular Nanomagnet. <i>Magnetochemistry</i> , 2019, 5, 4.	1.0	12
35	Electric Field Control of Spins in Molecular Magnets. <i>Physical Review Letters</i> , 2019, 122, 037202.	2.9	64
36	A large barrier single-molecule magnet without magnetic memory. <i>Dalton Transactions</i> , 2019, 48, 10795-10798.	1.6	34

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37	Self-Assembly of Catalytically Active Supramolecular Coordination Compounds within Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 10350-10360.	6.6	50
38	Studies of hysteresis and quantum tunnelling of the magnetisation in dysprosium( $\text{Dy}^{\text{III}}$ ) single molecule magnets. <i>Dalton Transactions</i> , 2019, 48, 8541-8545.	1.6	71
39	Correlating blocking temperatures with relaxation mechanisms in monometallic single-molecule magnets with high energy barriers ( $\tau_{\text{eff}} > 600$ K). <i>Chemical Communications</i> , 2019, 55, 7025-7028.	2.2	90
40	Formation of an interlocked double-chain from an organic-inorganic [2]rotaxane. <i>Chemical Communications</i> , 2019, 55, 2960-2963.	2.2	6
41	Electronic structures of bent lanthanide(III) complexes with two N-donor ligands. <i>Chemical Science</i> , 2019, 10, 10493-10502.	3.7	25
42	Anisotropy of $\text{Co}^{\text{II}}$ transferred to the $\text{Cr}^{\text{VII}}\text{Co}$ polymetallic cluster <i>via</i> strong exchange interactions. <i>Chemical Science</i> , 2018, 9, 3555-3562.	3.7	20
43	Chromium chains as polydentate fluoride ligands for actinides and group IV metals. <i>Dalton Transactions</i> , 2018, 47, 6361-6369.	1.6	2
44	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
45	How to probe the spin contribution to momentum relaxation in topological insulators. <i>Nature Communications</i> , 2018, 9, 56.	5.8	5
46	Evidence of Spin Canting, Metamagnetism, Negative Coercivity and Slow Relaxation in a Two-Dimensional Network of $\{\text{Mn}^{\text{II}}\}$ Cages. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 485-492.	1.0	4
47	Binding of halogens by a $\text{Cr}^{\text{III}}$ metallacrown. <i>Dalton Transactions</i> , 2018, 47, 13771-13775.	1.6	7
48	Quantum Monte Carlo simulations of a giant $\{\text{Ni}_{21}\text{Gd}_{20}\}$ cage with a $S = 91$ spin ground state. <i>Nature Communications</i> , 2018, 9, 2107.	5.8	55
49	Hybrid Organic-Inorganic Rotaxanes, Including a Hetero-Hybrid [3]Rotaxane Featuring Two Distinct Heterometallic Rings and a Molecular Shuttle. <i>Angewandte Chemie</i> , 2018, 130, 11085-11088.	1.6	4
50	Hybrid Organic-Inorganic Rotaxanes, Including a Hetero-Hybrid [3]Rotaxane Featuring Two Distinct Heterometallic Rings and a Molecular Shuttle. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10919-10922.	7.2	21
51	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
52	Design and implementation of the next generation electron beam resists for the production of EUVL photomasks. , 2018, , .		6
53	Using 3D Monte Carlo simulation to develop resists for next-generation lithography. , 2018, , .		2
54	Measuring Spin-Spin Interactions between Heterospins in a Hybrid [2]Rotaxane. <i>Angewandte Chemie</i> , 2017, 129, 3934-3937.	1.6	7

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55	Measuring Spinâ€¦â€¦â€¦Spin Interactions between Heterospins in a Hybrid [2]Rotaxane. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3876-3879.	7.2	26
56	Binding CO <sub>2</sub> by a Cr <sub>8</sub> Metallocrown. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5527-5530.	7.2	18
57	Use of Supramolecular Assemblies as Lithographic Resists. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6749-6752.	7.2	16
58	Use of Supramolecular Assemblies as Lithographic Resists. <i>Angewandte Chemie</i> , 2017, 129, 6853-6856.	1.6	7
59	Binding CO <sub>2</sub> by a Cr <sub>8</sub> Metallocrown. <i>Angewandte Chemie</i> , 2017, 129, 5619-5622.	1.6	4
60	Quantum Monte Carlo Simulations and High-Field Magnetization Studies of Antiferromagnetic Interactions in a Giant Hetero-Spin Ring. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16571-16574.	7.2	52
61	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
62	An Extensive Family of Heterometallic Titanium(IV)-Metal(III) Rings with Structure Control through Templates. <i>Angewandte Chemie</i> , 2017, 129, 13817-13820.	1.6	5
63	An Extensive Family of Heterometallic Titanium(IV)-Metal(III) Rings with Structure Control through Templates. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13629-13632.	7.2	25
64	Quartz Crystal Microbalance Assay of Clinical Calcinosis Samples and Their Synthetic Models Differentiates the Efficacy of Chelation-Based Treatments. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 27544-27552.	4.0	5
65	A sub-Kelvin cryogen-free EPR system. <i>Journal of Magnetic Resonance</i> , 2017, 282, 83-88.	1.2	2
66	Quantum Monte Carlo Simulations and High-Field Magnetization Studies of Antiferromagnetic Interactions in a Giant Hetero-Spin Ring. <i>Angewandte Chemie</i> , 2017, 129, 16798-16801.	1.6	10
67	[CrF(O <sub>2</sub> CC <sub>2</sub> Bu) <sub>2</sub> ] <sub>9</sub> : Synthesis and Characterization of a Regular Homometallic Ring with an Odd Number of Metal Centers and Electrons. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8856-8859.	7.2	26
68	[CrF(O <sub>2</sub> CC <sub>2</sub> Bu) <sub>2</sub> ] <sub>9</sub> : Synthesis and Characterization of a Regular Homometallic Ring with an Odd Number of Metal Centers and Electrons. <i>Angewandte Chemie</i> , 2016, 128, 9002-9005.	1.6	10
69	A modular design of molecular qubits to implement universal quantum gates. <i>Nature Communications</i> , 2016, 7, 11377.	5.8	196
70	Synthesis, Electronic, Magnetic and Structural Characterization of New Trinuclear Mixed-Valence Co <sup>III</sup> -Co <sup>II</sup> -Co <sup>III</sup> Complex.. <i>ChemistrySelect</i> , 2016, 1, 6866-6871.	0.7	12
71	Studies of a Large Odd-Numbered Odd-Electron Metal Ring: Inelastic Neutron Scattering and Muon Spin Relaxation Spectroscopy of Cr <sub>8</sub> Mn. <i>Chemistry - A European Journal</i> , 2016, 22, 1779-1788.	1.7	27
72	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

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73	Observation of the influence of dipolar and spin frustration effects on the magnetocaloric properties of a trigonal prismatic $\{Gd_{7}\}$ molecular nanomagnet. <i>Chemical Science</i> , 2016, 7, 4891-4895.	3.7	42
74	A pseudo-icosahedral cage $\{Gd_{12}\}$ based on aminomethylphosphonate. <i>Dalton Transactions</i> , 2016, 45, 9041-9044.	1.6	38
75	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
76	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
77	Heterodimers of heterometallic rings. <i>Dalton Transactions</i> , 2016, 45, 16610-16615.	1.6	8
78	Copper Keplerates: High-Symmetry Magnetic Molecules. <i>ChemPhysChem</i> , 2016, 17, 55-60.	1.0	19
79	Making hybrid $[n]$ -rotaxanes as supramolecular arrays of molecular electron spin qubits. <i>Nature Communications</i> , 2016, 7, 10240.	5.8	91
80	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
81	Low temperature magnetic properties and spin dynamics in single crystals of $Cr_8Zn$ antiferromagnetic molecular rings. <i>Journal of Chemical Physics</i> , 2015, 143, 244321.	1.2	23
82	Engineering coherent interactions in molecular nanomagnet dimers. <i>Npj Quantum Information</i> , 2015, 1, .	2.8	101
83	Engineering in Hybrid Rotaxanes To Create $AB_2$ 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
84	Heterometallic Rings: Their Physics and use as Supramolecular Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14244-14269.	7.2	114
85	Systematic Study of a Family of Butterfly-Like $\{M_2Ln_2\}$ Molecular Magnets (M) Tj ETQq1 1 0.784314 rgBT	1.9	107
86	Controlled Synthesis of Nanoscopic Metal Cages. <i>Journal of the American Chemical Society</i> , 2015, 137, 7644-7647.	6.6	41
87	Electronic Structure of a Mixed-Metal Fluoride-Centered Triangle Complex: A Potential Qubit Component. <i>Inorganic Chemistry</i> , 2015, 54, 12019-12026.	1.9	16
88	Coherent Spin Dynamics in Molecular $Cr_8Zn$ Wheels. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 5062-5066.	2.1	23
89	Comparison of spin dynamics and magnetic properties in antiferromagnetic closed and open molecular Cr-based rings. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 506001.	0.7	4
90	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

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91	An extended framework of cages formed of pre-synthesised and functionalised heterometallic cages. <i>Chemical Communications</i> , 2015, 51, 3533-3536.	2.2	4
92	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
93	Effects of the Dzyaloshinskii–Moriya interaction in Cr <sub>3</sub> triangular spin clusters detected by specific heat and multi-frequency electron spin resonance. <i>Dalton Transactions</i> , 2015, 44, 14027-14033.	1.6	10
94	Copper Lanthanide Phosphonate Cages: Highly Symmetric {Cu <sub>3</sub> Ln <sub>9</sub> P <sub>6</sub> } and {Cu <sub>6</sub> Ln <sub>6</sub> P <sub>6</sub> } Clusters with C <sub>3v</sub> and D <sub>3h</sub> Symmetry. <i>Inorganic Chemistry</i> , 2015, 54, 6331-6337.	1.9	20
95	A hybrid organic–inorganic molecular daisy chain. <i>Chemical Communications</i> , 2015, 51, 11126-11129.	2.2	18
96	Microstrip Resonators and Broadband Lines for X-band EPR Spectroscopy of Molecular Nanomagnets. <i>Applied Magnetic Resonance</i> , 2015, 46, 749-756.	0.6	14
97	High temperature spin dynamics in linear magnetic chains, molecular rings, and segments by nuclear magnetic resonance. <i>Journal of Applied Physics</i> , 2015, 117, 17B308.	1.1	4
98	Crystal structure of diethyl 2,2-[[[1,4-phenylenebis(azan-1-yl-1-ylidene)]bis(methan-1-yl-1-ylidene)]bis(1H-pyrrole-2,1-diyl)]dipropionate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o259-o260.	2.2	2
99	Crystal structure of diethyl 2,2-[[[1,4-phenylenebis(azan-1-yl-1-ylidene)]bis(methan-1-yl-1-ylidene)]bis(1H-pyrrole-2,1-diyl)]diacetate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o165-o166.	2.2	2
100	Copper Lanthanide Phosphonate Cages: Highly Symmetric {Cu <sub>3</sub> Ln <sub>9</sub> P <sub>6</sub> } and {Cu <sub>6</sub> Ln <sub>6</sub> P <sub>6</sub> } Clusters with C <sub>3v</sub> and D <sub>3h</sub> Symmetry. <i>Inorganic Chemistry</i> , 2015, 54, 6331-7.	1.9	2
101	Analysis and Dissolution of SSC-Related Calcinoses. <i>Rheumatology</i> , 2014, 53, i149-i149.	0.9	2
102	Metal distribution and disorder in the crystal structure of [NH <sub>2</sub> Et <sub>2</sub> ][Cr <sub>7</sub> M <sub>8</sub> (F <sub>8</sub> BuCO <sub>2</sub> ) <sub>16</sub> ] wheel molecules for M = Mn, Fe, Co, Ni, Cu, Zn and Cd. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 932-941.	0.5	8
103	Large Zero-Field Splittings of the Ground Spin State Arising from Antisymmetric Exchange Effects in Heterometallic Triangles ( <i>Angew. Chem.</i> 21/2014). <i>Angewandte Chemie</i> , 2014, 126, 5578-5578.	1.6	0
104	Quantum spin coherence in halogen-modified Cr <sub>7</sub> Ni molecular nanomagnets. <i>Physical Review B</i> , 2014, 90, .	1.1	29
105	A One-Pot Synthesis of Monodispersed Iron Cobalt Oxide and Iron Manganese Oxide Nanoparticles from Bimetallic Pivalate Clusters. <i>Chemistry of Materials</i> , 2014, 26, 999-1013.	3.2	50
106	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
107	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
108	Molecule-based magnetic coolers. <i>Chemical Society Reviews</i> , 2014, 43, 1462-1475.	18.7	514

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109	Synthesis and Characterization of Nickel(II) Phosphonate Complexes Utilizing Pyridonates and Carboxylates as Co-ligands. <i>Inorganic Chemistry</i> , 2014, 53, 1128-1134.	1.9	21
110	Direct measurement of dysprosium(III)–dysprosium(III) interactions in a single-molecule magnet. <i>Nature Communications</i> , 2014, 5, 5243.	5.8	223
111	The acid test: the chemistry of carboxylic acid functionalised {Cr7Ni} rings. <i>Chemical Science</i> , 2014, 5, 235-239.	3.7	26
112	Hot injection thermolysis of heterometallic pivalate clusters for the synthesis of monodisperse zinc and nickel ferrite nanoparticles. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6781-6789.	2.7	14
113	Relationships between Electron Density and Magnetic Properties in Water-Bridged Dimetal Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 11531-11539.	1.9	8
114	On the Possibility of Magneto-Structural Correlations: Detailed Studies of Dinickel Carboxylate Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 8464-8472.	1.9	32
115	A Detailed Study of the Magnetism of Chiral {Cr <sub>7</sub> M} Rings: An Investigation into Parametrization and Transferability of Parameters. <i>Journal of the American Chemical Society</i> , 2014, 136, 9763-9772.	6.6	26
116	Iron Lanthanide Phosphonate Clusters: {Fe <sub>6</sub> Ln <sub>6</sub> P <sub>6</sub> } Wells–Dawson-like Structures with <i>D</i> <sub>3d</sub> Symmetry. <i>Inorganic Chemistry</i> , 2014, 53, 3032-3038.	1.9	52
117	Molecular nanomagnets with switchable coupling for quantum simulation. <i>Scientific Reports</i> , 2014, 4, 7423.	1.6	58
118	A Ring of Rings and Other Multicomponent Assemblies of Cages. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9932-9935.	7.2	66
119	Magnetic relaxation pathways in lanthanide single-molecule magnets. <i>Nature Chemistry</i> , 2013, 5, 673-678.	6.6	649
120	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
121	An electrostatic model for the determination of magnetic anisotropy in dysprosium complexes. <i>Nature Communications</i> , 2013, 4, 2551.	5.8	520
122	Synthesis of monodispersed magnetite nanoparticles from iron pivalate clusters. <i>Dalton Transactions</i> , 2013, 42, 196-206.	1.6	27
123	Stretch for a moment. <i>Nature Nanotechnology</i> , 2013, 8, 159-160.	15.6	18
124	Molecular amino-phosphonate cobalt–lanthanide clusters. <i>Chemical Communications</i> , 2013, 49, 3522.	2.2	86
125	Lanthanide Single-Molecule Magnets. <i>Chemical Reviews</i> , 2013, 113, 5110-5148.	23.0	2,379
126	Single-Molecule Magnetism in Tetrametallic Terbium and Dysprosium Thiolate Cages. <i>Organometallics</i> , 2013, 32, 1224-1229.	1.1	67



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127	Rings and threads as linkers in metal-organic frameworks and poly-rotaxanes. Chemical Communications, 2013, 49, 7195.	2.2	36
128	Wells Dawson Cages as Molecular Refrigerants. Inorganic Chemistry, 2013, 52, 13702-13707.	1.9	33
129	Inelastic neutron scattering studies on the odd-membered antiferromagnetic wheel Cr <sub>8</sub> Ni. Physical Review B, 2012, 86, .	1.1	14
130	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
131	Co Ln Mixed-Metal Phosphonate Grids and Cages as Molecular Magnetic Refrigerants. Journal of the American Chemical Society, 2012, 134, 1057-1065.	6.6	353
132	Spin dynamics of molecular nanomagnets unravelled at atomic scale by four-dimensional inelastic neutron scattering. Nature Physics, 2012, 8, 906-911.	6.5	108
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