

Richard E P Winpenny

List of PR Articles by Year in descending order

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citing authors

#	ARTICLE	IF	PR CITATIONS
1	Studying Cation Exchange in {Cr ₇ Co} Pseudorotaxanes: Preparatory Studies for Making Hybrid Molecular Machines. <i>Chemistry - A European Journal</i> , 2024, 30, .	3.4	12
2	Ligand Effects on the Spin Relaxation Dynamics and Coherent Manipulation of Organometallic La(II) Potential Qu <i>id</i> s. <i>Journal of the American Chemical Society</i> , 2024, 146, 15000-15009.	15.0	12
3	Weak Exchange Interactions in Multispin Systems: EPR Studies of Metalloporphyrins Decorated with {Cr ₇ Ni} Rings. <i>Inorganic Chemistry</i> , 2024, 63, 15460-15466.	4.6	4
4	One-, two- and three-dimensional interlocked polymers based on hybrid inorganic-organic rotaxanes. <i>Chemical Communications</i> , 2024, 60, 10124-10127.	3.4	2
5	Adduct Ions as Diagnostic Probes of Metallosupramolecular Complexes Using Ion Mobility Mass Spectrometry. <i>Inorganic Chemistry</i> , 2023, 62, 2672-2679.	4.6	18
6	Electron Paramagnetic Resonance Spectra of Pentagonal Bipyramidal Gadolinium Complexes. <i>Inorganic Chemistry</i> , 2023, 62, 8435-8441.	4.6	10
7	Synthesis and characterization of heterometallic rings templated through alkylammonium or imidazolium cations. <i>Dalton Transactions</i> , 2023, 52, 7473-7481.	3.0	4
8	Formation and characterization of polymetallic {Cr _x My} rings in vacuo. <i>Nature Synthesis</i> , 2023, 2, 926-936.	18.1	15
9	Control and Transferability of Magnetic Interactions in Supramolecular Structures: Trimers of {Cr ₇ Ni} Antiferromagnetic Rings. <i>Chemistry - A European Journal</i> , 2023, 29, .	3.4	2
10	A ring of rotaxanes: studies of a large paramagnetic assembly in solution. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 6945-6952.	6.4	5
11	Experimental realisation of multi-qubit gates using electron paramagnetic resonance. <i>Nature Communications</i> , 2023, 14, .	13.9	11
12	Thermally Stable Terbium(II) and Dysprosium(II) Bis-amidinate Complexes. <i>Journal of the American Chemical Society</i> , 2023, 145, 27993-28009.	15.0	57
13	Structural characterisation methods for supramolecular chemistry that go beyond crystallography. <i>Chemical Society Reviews</i> , 2022, 51, 8-27.	37.8	55
14	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.	4.6	37
15	Tuning the Performance of Negative Tone Electron Beam Resists for the Next Generation Lithography. <i>Advanced Functional Materials</i> , 2022, 32, .	17.0	29
16	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, .	0.8	2
17	Decorating polymer beads with 1014 inorganic-organic [2]rotaxanes as shown by spin counting. <i>Communications Chemistry</i> , 2022, 5, .	5.6	7
18	New Homometallic Octanuclear Chromium(III) Rings. <i>Chemistry Journal of Moldova</i> , 2022, 17, 9-17.	0.4	2

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19	Five-Spin Supramolecule for Simulating Quantum Decoherence of Bell States. <i>Journal of the American Chemical Society</i> , 2022, 144, 16086-16092.	15.0	38
20	Modelling Conformational Flexibility in a Spectrally Addressable Molecular Multi-Qubit Model System. <i>Angewandte Chemie</i> , 2022, 134, .	1.4	5
21	Modelling Conformational Flexibility in a Spectrally Addressable Molecular Multi-Qubit Model System. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	14.4	14
22	Templating metallocycles with a macrocycle: synthesis, structures and magnetic studies of {Cr ^{III} M ^{II} } complexes. <i>Dalton Transactions</i> , 2022, 52, 20-23.	3.0	1
23	Negative Tone Metallic Organic Resists with Improved Sensitivity for Plasma Etching: Implications for Silicon Nanostructure Fabrication and Photomask Production. <i>ACS Applied Nano Materials</i> , 2022, 5, 17538-17543.	5.3	2
24	Disassembly Mechanisms and Energetics of Polymetallic Rings and Rotaxanes. <i>Journal of the American Chemical Society</i> , 2022, 144, 22528-22539.	15.0	31
25	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.	5.3	25
26	Gold(III) bridged dimeric and trimeric heterometallic {Cr ^{III} Ni}-based qubit systems and their characterization. <i>Dalton Transactions</i> , 2021, 50, 4390-4395.	3.0	4
27	Targeting molecular quantum memory with embedded error correction. <i>Chemical Science</i> , 2021, 12, 9104-9113.	7.1	34
28	Slow magnetic relaxation in distorted tetrahedral Dy(III) aryloxy complexes. <i>Chemical Communications</i> , 2021, 57, 9208-9211.	3.4	21
29	The Synthesis and Characterisation of a Molecular Sea Serpent: Studies of a {Cr ^{III} Cu ^I 7} Chain. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9489-9492.	14.4	6
30	Mononuclear Dysprosium Alkoxide and Aryloxy Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2021, 27, 7625-7645.	3.4	122
31	The Synthesis and Characterisation of a Molecular Sea Serpent: Studies of a {Cr ^{III} Cu ^I 7} Chain. <i>Angewandte Chemie</i> , 2021, 133, 9575-9579.	1.4	3
32	Magnetic Properties and Second Harmonic Generation of Noncentrosymmetric Cyanido-Bridged Ln(III)-W(V) Assemblies. <i>Inorganic Chemistry</i> , 2021, 60, 12009-12019.	4.6	15
33	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.	4.2	46
34	Single Isomer Heterometallic {Cr ^{III} 6M ^{II} 2} Rings Templated by Tetramethylammonium. <i>Inorganic Chemistry</i> , 2021, 60, 15675-15685.	4.6	7
35	Heterometallic 3d-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.	4.6	18
36	Single Ion Anisotropy of Cr(III) and Fe(III) in a Series of {Ti7M} Rings. <i>Applied Magnetic Resonance</i> , 2020, 51, 1251-1265.	0.9	3

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37	Magnetic exchange interactions in symmetric lanthanide dimetallics. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3909-3918.	6.4	15
38	Conformational Flexibility of Hybrid [3]- and [4]-Rotaxanes. <i>Journal of the American Chemical Society</i> , 2020, 142, 15941-15949.	15.0	20
39	Dimerized <i>p</i> -Semiquinone Radical Anions Stabilized by a Pair of Rare-Earth Metal Ions. <i>Inorganic Chemistry</i> , 2020, 59, 7371-7375.	4.6	11
40	Probing Relaxation Dynamics in Five-Coordinate Dysprosium Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2020, 26, 7774-7778.	3.4	38
41	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.	3.4	56
42	A Study of Magnetic Relaxation in Dysprosium(III) Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2020, 26, 5893-5902.	3.4	157
43	Dysprosiacarboranes as Organometallic Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9350-9354.	14.4	57
44	Dysprosiacarboranes as Organometallic Single-Molecule Magnets. <i>Angewandte Chemie</i> , 2020, 132, 9436-9440.	1.4	6
45	Engineering electronic structure to prolong relaxation times in molecular qubits by minimising orbital angular momentum. <i>Nature Communications</i> , 2019, 10, .	13.9	92
46	Reversible uptake of sulfur-containing gases by single crystals of a Cr_8 metallacrown. <i>Dalton Transactions</i> , 2019, 48, 13184-13189.	3.0	5
47	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.	8.7	62
48	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.	15.0	22
49	A [13]rotaxane assembled via a palladium molecular capsule. <i>Nature Communications</i> , 2019, 10, .	13.9	27
50	A Clock Transition in the Cr_7Mn Molecular Nanomagnet. <i>Magnetochemistry</i> , 2019, 5, 4.	2.3	20
51	Electric Field Control of Spins in Molecular Magnets. <i>Physical Review Letters</i> , 2019, 122, .	8.2	89
52	A large barrier single-molecule magnet without magnetic memory. <i>Dalton Transactions</i> , 2019, 48, 10795-10798.	3.0	44
53	Self-Assembly of Catalytically Active Supramolecular Coordination Compounds within Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 10350-10360.	15.0	63
54	Studies of hysteresis and quantum tunnelling of the magnetisation in dysprosium(<i>iii</i>) single molecule magnets. <i>Dalton Transactions</i> , 2019, 48, 8541-8545.	3.0	84

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55	Correlating blocking temperatures with relaxation mechanisms in monometallic single-molecule magnets with high energy barriers ($\langle U \rangle_{\text{eff}} > 600$ K). <i>Chemical Communications</i> , 2019, 55, 7025-7028.	3.4	99
56	Formation of an interlocked double-chain from an organic–inorganic [2]rotaxane. <i>Chemical Communications</i> , 2019, 55, 2960-2963.	3.4	7
57	Electronic structures of bent lanthanide(III) complexes with two N-donor ligands. <i>Chemical Science</i> , 2019, 10, 10493-10502.	7.1	31
58	Anisotropy of Co^{II} transferred to the Cr_7Co polymetallic cluster <i>via</i> strong exchange interactions. <i>Chemical Science</i> , 2018, 9, 3555-3562.	7.1	24
59	Chromium chains as polydentate fluoride ligands for actinides and group IV metals. <i>Dalton Transactions</i> , 2018, 47, 6361-6369.	3.0	4
60	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.	15.0	88
61	How to probe the spin contribution to momentum relaxation in topological insulators. <i>Nature Communications</i> , 2018, 9, .	13.9	6
62	Evidence of Spin Canting, Metamagnetism, Negative Coercivity and Slow Relaxation in a Two-Dimensional Network of $\{\text{Mn}_6\}$ Cages. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 485-492.	1.8	6
63	Binding of halogens by a Cr_8 metallocrown. <i>Dalton Transactions</i> , 2018, 47, 13771-13775.	3.0	7
64	Quantum Monte Carlo simulations of a giant $\{\text{Ni}_2\text{Gd}_{20}\}$ cage with a $S = 91$ spin ground state. <i>Nature Communications</i> , 2018, 9, .	13.9	69
65	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.	1.4	4
66	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.	14.4	25
67	Field- and temperature-dependent quantum tunnelling of the magnetisation in a large barrier single-molecule magnet. <i>Nature Communications</i> , 2018, 9, .	13.9	238
68	Measuring Spin–Spin Interactions between Heterospins in a Hybrid [2]Rotaxane. <i>Angewandte Chemie</i> , 2017, 129, 3934-3937.	1.4	7
69	Measuring Spin–Spin Interactions between Heterospins in a Hybrid [2]Rotaxane. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3876-3879.	14.4	32
70	Binding CO_2 by a Cr_8 Metallocrown. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5527-5530.	14.4	24
71	Use of Supramolecular Assemblies as Lithographic Resists. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6749-6752.	14.4	22
72	Use of Supramolecular Assemblies as Lithographic Resists. <i>Angewandte Chemie</i> , 2017, 129, 6853-6856.	1.4	7

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73	Binding CO ₂ by a Cr ₈ Metallocrown. <i>Angewandte Chemie</i> , 2017, 129, 5619-5622.	1.4	5
74	Quantum Monte Carlo Simulations and High-Field Magnetization Studies of Antiferromagnetic Interactions in a Giant Heterospin Ring. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16571-16574.	14.4	71
75	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.	15.0	110
76	An Extensive Family of Heterometallic Titanium(IV)-Metal(III) Rings with Structure Control through Templates. <i>Angewandte Chemie</i> , 2017, 129, 13817-13820.	1.4	7
77	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.	14.4	32
78	Quartz Crystal Microbalance Assay of Clinical Calcinosis Samples and Their Synthetic Models Differentiates the Efficacy of Chelation-Based Treatments. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27544-27552.	8.0	7
79	A sub-Kelvin cryogen-free EPR system. <i>Journal of Magnetic Resonance</i> , 2017, 282, 83-88.	1.6	2
80	Quantum Monte Carlo Simulations and High-Field Magnetization Studies of Antiferromagnetic Interactions in a Giant Heterospin Ring. <i>Angewandte Chemie</i> , 2017, 129, 16798-16801.	1.4	10
81	[CrF(O ₂ CC ₂ H ₅) ₂] ₉ : 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.	14.4	32
82	[CrF(O ₂ CC ₂ H ₅) ₂] ₉ : 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.	1.4	12
83	A modular design of molecular qubits to implement universal quantum gates. <i>Nature Communications</i> , 2016, 7, .	13.9	237
84	Synthesis, Electronic, Magnetic and Structural Characterization of New Trinuclear Mixed-Valence Co ^{III} -Co ^{II} -Co ^{III} Complex.. <i>ChemistrySelect</i> , 2016, 1, 6866-6871.	1.7	21
85	Studies of a Large Odd-Numbered Odd-Electron Metal Ring: Inelastic Neutron Scattering and Muon Spin Relaxation Spectroscopy of Cr ₈ Mn. <i>Chemistry - A European Journal</i> , 2016, 22, 1779-1788.	3.4	32
86	Physicochemical Properties of Near-Linear Lanthanide(II) Bis(silylamide) Complexes (Ln = Sm, Eu, Tm, Yb). <i>Inorganic Chemistry</i> , 2016, 55, 10057-10067.	4.6	93
87	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.	7.1	48
88	A pseudo-icosahedral cage {Gd ₁₂ } based on aminomethylphosphonate. <i>Dalton Transactions</i> , 2016, 45, 9041-9044.	3.0	44
89	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.	1.4	123
90	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.	14.4	898

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91	Heterodimers of heterometallic rings. Dalton Transactions, 2016, 45, 16610-16615.	3.0	10
92	Copper Keplerates: High-Symmetry Magnetic Molecules. ChemPhysChem, 2016, 17, 55-60.	1.9	24
93	Making hybrid [n]-rotaxanes as supramolecular arrays of molecular electron spin qubits. Nature Communications, 2016, 7, .	13.9	111
94	A monometallic lanthanide bis(methanediide) single molecule magnet with a large energy barrier and complex spin relaxation behaviour. Chemical Science, 2016, 7, 155-165.	7.1	326
95	Low temperature magnetic properties and spin dynamics in single crystals of Cr ₈ Zn antiferromagnetic molecular rings. Journal of Chemical Physics, 2015, 143, .	2.8	24
96	Engineering coherent interactions in molecular nanomagnet dimers. Npj Quantum Information, 2015, 1, .	7.4	122
97	Heterometallische Ringe: physikalische Eigenschaften und Verwendung als supramolekulare Bausteine. Angewandte Chemie, 2015, 127, 14450-14477.	1.4	24
98	Engineering in Hybrid Rotaxanes To Create AB and AB ₂ Electron Spin Systems: EPR Spectroscopic Studies of Weak Interactions between Dissimilar Electron Spin Qubits. Angewandte Chemie, 2015, 127, 11008-11011.	1.4	10
99	Engineering in Hybrid Rotaxanes To Create AB and AB ₂ Electron Spin Systems: EPR Spectroscopic Studies of Weak Interactions between Dissimilar Electron Spin Qubits. Angewandte Chemie - International Edition, 2015, 54, 10858-10861.	14.4	43
100	Heterometallic Rings: Their Physics and use as Supramolecular Building Blocks. Angewandte Chemie - International Edition, 2015, 54, 14244-14269.	14.4	130
101	Systematic Study of a Family of Butterfly-Like {M ₂ Ln ₂ } Molecular Magnets (M) Tj ETQq1 1 0.784314 rgBT	4.6	121
102	Controlled Synthesis of Nanoscopic Metal Cages. Journal of the American Chemical Society, 2015, 137, 7644-7647.	15.0	43
103	Electronic Structure of a Mixed-Metal Fluoride-Centered Triangle Complex: A Potential Qubit Component. Inorganic Chemistry, 2015, 54, 12019-12026.	4.6	19
104	Coherent Spin Dynamics in Molecular Cr ₈ Zn Wheels. Journal of Physical Chemistry Letters, 2015, 6, 5062-5066.	4.2	26
105	Comparison of spin dynamics and magnetic properties in antiferromagnetic closed and open molecular Cr-based rings. Journal of Physics Condensed Matter, 2015, 27, 506001.	2.3	4
106	The first near-linear bis(amide) f-block complex: a blueprint for a high temperature single molecule magnet. Chemical Communications, 2015, 51, 101-103.	3.4	279
107	An extended framework of cages formed of pre-synthesised and functionalised heterometallic cages. Chemical Communications, 2015, 51, 3533-3536.	3.4	6
108	A Trigonal Prismatic Mononuclear Cobalt(II) Complex Showing Single-Molecule Magnet Behavior. Journal of the American Chemical Society, 2015, 137, 9792-9795.	15.0	331

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109	Effects of the Dzyaloshinskiiâ€“Moriya interaction in Cr₃ triangular spin clusters detected by specific heat and multi-frequency electron spin resonance. Dalton Transactions, 2015, 44, 14027-14033.	3.0	11
110	Copper Lanthanide Phosphonate Cages: Highly Symmetric {Cu₃Ln₉P₆} and {Cu₆Ln₆P₆} Clusters with <i>C</i>₃<i>v</i>₃ and <i>D</i>₃<i>h</i>₃ Symmetry. Inorganic Chemistry, 2015, 54, 6331-6337.	4.6	24
111	A hybrid organicâ€“inorganic molecular daisy chain. Chemical Communications, 2015, 51, 11126-11129.	3.4	19
112	Microstrip Resonators and Broadband Lines for X-band EPR Spectroscopy of Molecular Nanomagnets. Applied Magnetic Resonance, 2015, 46, 749-756.	0.9	14
113	High temperature spin dynamics in linear magnetic chains, molecular rings, and segments by nuclear magnetic resonance. Journal of Applied Physics, 2015, 117, 17B308.	2.1	4
114	Crystal structure of diethyl 3,3â€“{2,2â€“(1E)-[1,4-phenylenebis(azan-1-yl-1-ylidene)]bis(methan-1-yl-1-ylidene)bis(1H-pyrrole-2,1-diyl)}dipropionate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o259-o260.	1.1	10
115	Crystal structure of diethyl 2,2â€“-[[[(1E,1â€“E)-[(1R,4R)-cyclohexane-1,4-diyl]bis(azanylylidene)]bis(methanylylidene)bis(1H-pyrrole-2,1-diyl)]diacetate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o165-o166.	1.1	10
116	239.â€“Analysis and Dissolution of SSC-Related Calcinoses. Rheumatology, 2014, 53, i149-i149.	2.0	2
117	Metal distribution and disorder in the crystal structure of [NH₂Et₂][Cr₇<i>M</i>F₈ (^{<i>t</i>}BuCO₂)₁₆/s wheel molecules for <i>M</i>= Mn, Fe, Co, Ni, Cu, Zn and Cd. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 932-941.	1.1	10
118	RÃ¼cktitelbild: Large Zero-Field Splittings of the Ground Spin State Arising from Antisymmetric Exchange Effects in Heterometallic Triangles (Angew. Chem. 21/2014). Angewandte Chemie, 2014, 126, 5578-5578.	1.4	0
119	Quantum spin coherence in halogen-modified Cr₇Ni molecular nanomagnets. Physical Review B, 2014, 90, .	3.4	34
120	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.	6.7	58
121	Coherent electron spin manipulation in a dilute oriented ensemble of molecular nanomagnets: pulsed EPR on doped single crystals. Chemical Communications, 2014, 50, 91-93.	3.4	54
122	Chemical specificity in REDOX-responsive materials: the diverse effects of different Reactive Oxygen Species (ROS) on polysulfide nanoparticles. Polymer Chemistry, 2014, 5, 1393.	3.9	54
123	Molecule-based magnetic coolers. Chemical Society Reviews, 2014, 43, 1462-1475.	37.8	576
124	Synthesis and Characterization of Nickel(II) Phosphonate Complexes Utilizing Pyridonates and Carboxylates as Co-ligands. Inorganic Chemistry, 2014, 53, 1128-1134.	4.6	22
125	Direct measurement of dysprosium(III)â€“dysprosium(III) interactions in a single-molecule magnet. Nature Communications, 2014, 5, .	13.9	255
126	The acid test: the chemistry of carboxylic acid functionalised {Cr₇Ni} rings. Chemical Science, 2014, 5, 235-239.	7.1	28

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127	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.	5.1	15
128	Relationships between Electron Density and Magnetic Properties in Water-Bridged Dimetal Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 11531-11539.	4.6	11
129	On the Possibility of Magneto-Structural Correlations: Detailed Studies of Dinickel Carboxylate Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 8464-8472.	4.6	34
130	A Detailed Study of the Magnetism of Chiral $\{Cr_{7}M\}$ Rings: An Investigation into Parametrization and Transferability of Parameters. <i>Journal of the American Chemical Society</i> , 2014, 136, 9763-9772.	15.0	31
131	Iron Lanthanide Phosphonate Clusters: $\{Fe_{6}Ln_{6}P_{6}\}$ Wellsâ€”Dawson-like Structures with D_{3d} Symmetry. <i>Inorganic Chemistry</i> , 2014, 53, 3032-3038.	4.6	56
132	Large Zeroâ€”Field Splittings of the Ground Spin State Arising from Antisymmetric Exchange Effects in Heterometallic Triangles. <i>Angewandte Chemie</i> , 2014, 126, 5414-5417.	1.4	3
133	Molecular nanomagnets with switchable coupling for quantum simulation. <i>Scientific Reports</i> , 2014, 4, .	3.5	70
134	A Ring of Rings and Other Multicomponent Assemblies of Cages. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9932-9935.	14.4	71
135	Magnetic relaxation pathways in lanthanide single-molecule magnets. <i>Nature Chemistry</i> , 2013, 5, 673-678.	18.8	701
136	Physical studies of heterometallic rings: an ideal system for studying magnetically-coupled systems. <i>Chemical Society Reviews</i> , 2013, 42, 1796-1806.	37.8	78
137	An electrostatic model for the determination of magnetic anisotropy in dysprosium complexes. <i>Nature Communications</i> , 2013, 4, .	13.9	576
138	Synthesis of monodispersed magnetite nanoparticles from iron pivalate clusters. <i>Dalton Transactions</i> , 2013, 42, 196-206.	3.0	29
139	Molecular amino-phosphonate cobaltâ€”lanthanide clusters. <i>Chemical Communications</i> , 2013, 49, 3522.	3.4	92
140	Lanthanide Single-Molecule Magnets. <i>Chemical Reviews</i> , 2013, 113, 5110-5148.	52.7	2,678
141	Single-Molecule Magnetism in Tetrametallic Terbium and Dysprosium Thiolate Cages. <i>Organometallics</i> , 2013, 32, 1224-1229.	2.9	72
142	Rings and threads as linkers in metalâ€”organic frameworks and poly-rotaxanes. <i>Chemical Communications</i> , 2013, 49, 7195.	3.4	41
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