

# Richard E P Winpenny

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

250  
papers

16,933  
citations

60  
h-index

125  
g-index

264  
ext. papers

18,360  
ext. citations

9.3  
avg, IF

6.9  
L-index

#	Paper	IF	Citations
250	Structural characterisation methods for supramolecular chemistry that go beyond crystallography. <i>Chemical Society Reviews</i> , <b>2021</b> ,	58.5	4
249	Single Isomer Heterometallic {CrM} Rings Templated by Tetramethylammonium. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 15675-15685	5.1	
248	Mononuclear Dysprosium Alkoxide and Aryloxide Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 7625-7645	4.8	18
247	The Synthesis and Characterisation of a Molecular Sea-Serpent: Studies of a {Cr <sub>24</sub> Cu <sub>7</sub> } Chain. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 9575-9578	3.6	1
246	Magnetic Properties and Second Harmonic Generation of Noncentrosymmetric Cyanido-Bridged Ln(III)-W(V) Assemblies. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 12009-12019	5.1	2
245	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> , <b>2021</b> , 4, 406-413	5.6	5
244	Gold(i) bridged dimeric and trimeric heterometallic {CrNi}-based qubit systems and their characterization. <i>Dalton Transactions</i> , <b>2021</b> , 50, 4390-4395	4.3	2
243	Targeting molecular quantum memory with embedded error correction. <i>Chemical Science</i> , <b>2021</b> , 12, 9104-9113	9.4	134
242	Slow magnetic relaxation in distorted tetrahedral Dy(III) aryloxide complexes. <i>Chemical Communications</i> , <b>2021</b> , 57, 9208-9211	5.8	0
241	The Synthesis and Characterisation of a Molecular Sea-Serpent: Studies of a {Cr Cu } Chain. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 9489-9492	16.4	1
240	A Cost-Effective Semi-Ab Initio Approach to Model Relaxation in Rare-Earth Single-Molecule Magnets. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 8826-8832	6.4	5
239	Studies of the Temperature Dependence of the Structure and Magnetism of a Hexagonal-Bipyramidal Dysprosium(III) Single-Molecule Magnet.. <i>Inorganic Chemistry</i> , <b>2021</b> ,	5.1	2
238	Dimerized -Semiquinone Radical Anions Stabilized by a Pair of Rare-Earth Metal Ions. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 7371-7375	5.1	3
237	Probing Relaxation Dynamics in Five-Coordinate Dysprosium Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 7774-7778	4.8	17
236	Exchange-Biasing in a Dinuclear Dysprosium(III) Single-Molecule Magnet with a Large Energy Barrier for Magnetisation Reversal. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 6773-6777	4.8	20
235	A Study of Magnetic Relaxation in Dysprosium(III) Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 5893-5902	4.8	60
234	Dysprosiacarboranes as Organometallic Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 9350-9354	16.4	24

233	Dysprosiacarboranes as Organometallic Single-Molecule Magnets. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 9436-9440	3.6	1
232	Heterometallic 3d-4f Complexes as Air-Stable Molecular Precursors in Low Temperature Syntheses of Stoichiometric Rare-Earth Orthoferrite Powders. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 15796-15806	5.1	3
231	Single Ion Anisotropy of CrIII and FeIII in a Series of {Ti7M} Rings. <i>Applied Magnetic Resonance</i> , <b>2020</b> , 51, 1251-1265	0.8	0
230	Paul O'Brien. 22 January 1954–16 October 2018. <i>Biographical Memoirs of Fellows of the Royal Society</i> , <b>2020</b> , 69, 443-466	0.1	1
229	Magnetic exchange interactions in symmetric lanthanide dimetallics. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 3909-3918	6.8	4
228	Conformational Flexibility of Hybrid [3]- and [4]-Rotaxanes. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 15941-15949	16.4	7
227	A Clock Transition in the Cr7Mn Molecular Nanomagnet. <i>Magnetochemistry</i> , <b>2019</b> , 5, 4	3.1	9
226	Electric Field Control of Spins in Molecular Magnets. <i>Physical Review Letters</i> , <b>2019</b> , 122, 037202	7.4	43
225	A large barrier single-molecule magnet without magnetic memory. <i>Dalton Transactions</i> , <b>2019</b> , 48, 10795-10798	20	
224	Self-Assembly of Catalytically Active Supramolecular Coordination Compounds within Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 10350-10360	16.4	25
223	Studies of hysteresis and quantum tunnelling of the magnetisation in dysprosium(iii) single molecule magnets. <i>Dalton Transactions</i> , <b>2019</b> , 48, 8541-8545	4.3	38
222	Correlating blocking temperatures with relaxation mechanisms in monometallic single-molecule magnets with high energy barriers ( $U > 600$ K). <i>Chemical Communications</i> , <b>2019</b> , 55, 7025-7028	5.8	66
221	Formation of an interlocked double-chain from an organic-inorganic [2]rotaxane. <i>Chemical Communications</i> , <b>2019</b> , 55, 2960-2963	5.8	3
220	Engineering electronic structure to prolong relaxation times in molecular qubits by minimising orbital angular momentum. <i>Nature Communications</i> , <b>2019</b> , 10, 3330	17.4	34
219	Reversible uptake of sulfur-containing gases by single crystals of a Cr metallocrown. <i>Dalton Transactions</i> , <b>2019</b> , 48, 13184-13189	4.3	2
218	Plasma-Etched Pattern Transfer of Sub-10 nm Structures Using a Metal-Organic Resist and Helium Ion Beam Lithography. <i>Nano Letters</i> , <b>2019</b> , 19, 6043-6048	11.5	23
217	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> , <b>2019</b> , 141, 14633-14642	16.4	6
216	A [13]rotaxane assembled via a palladium molecular capsule. <i>Nature Communications</i> , <b>2019</b> , 10, 3720	17.4	11

215	Electronic structures of bent lanthanide(III) complexes with two N-donor ligands. <i>Chemical Science</i> , <b>2019</b> , 10, 10493-10502	9.4	17
214	Anisotropy of Co transferred to the CrCo polymetallic cluster strong exchange interactions. <i>Chemical Science</i> , <b>2018</b> , 9, 3555-3562	9.4	11
213	Chromium chains as polydentate fluoride ligands for actinides and group IV metals. <i>Dalton Transactions</i> , <b>2018</b> , 47, 6361-6369	4.3	2
212	Measurement of Magnetic Exchange in Asymmetric Lanthanide Dimetallics: Toward a Transferable Theoretical Framework. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 2504-2513	16.4	60
211	How to probe the spin contribution to momentum relaxation in topological insulators. <i>Nature Communications</i> , <b>2018</b> , 9, 56	17.4	4
210	Evidence of Spin Canting, Metamagnetism, Negative Coercivity and Slow Relaxation in a Two-Dimensional Network of {Mn <sub>6</sub> } Cages. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 485-492 <sup>2-3</sup>		2
209	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> , <b>2018</b> , 57, 10919-10922 <sup>16.4</sup>		12
208	Field- and temperature-dependent quantum tunnelling of the magnetisation in a large barrier single-molecule magnet. <i>Nature Communications</i> , <b>2018</b> , 9, 3134	17.4	120
207	Design and implementation of the next generation electron beam resists for the production of EUVL photomasks <b>2018</b> ,		3
206	Binding of halogens by a Cr metallocrown. <i>Dalton Transactions</i> , <b>2018</b> , 47, 13771-13775	4.3	6
205	Quantum Monte Carlo simulations of a giant {NiGd} cage with a S = 91 spin ground state. <i>Nature Communications</i> , <b>2018</b> , 9, 2107	17.4	32
204	Hybrid Organic-Inorganic Rotaxanes, Including a Hetero-Hybrid [3]Rotaxane Featuring Two Distinct Heterometallic Rings and a Molecular Shuttle. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 11085-11088	3.6	2
203	Measuring Spin-Spin Interactions between Heterospins in a Hybrid [2]Rotaxane. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 3934-3937	3.6	7
202	Measuring Spin-Spin Interactions between Heterospins in a Hybrid [2]Rotaxane. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3876-3879	16.4	20
201	Binding CO by a Cr Metallocrown. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 5527-5530	16.4	14
200	Use of Supramolecular Assemblies as Lithographic Resists. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 6749-6752	16.4	6
199	Use of Supramolecular Assemblies as Lithographic Resists. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 6853-6856	3.6	3
198	Binding CO <sub>2</sub> by a Cr <sub>8</sub> Metallocrown. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 5619-5622	3.6	4

197	Quantum Monte Carlo Simulations and High-Field Magnetization Studies of Antiferromagnetic Interactions in a Giant Hetero-Spin Ring. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16571-16574	16.4	39
196	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> , <b>2017</b> , 139, 16405-16411	16.4	40
195	An Extensive Family of Heterometallic Titanium(IV)-Metal(III) Rings with Structure Control through Templates. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 13817-13820	3.6	5
194	An Extensive Family of Heterometallic Titanium(IV)-Metal(III) Rings with Structure Control through Templates. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 13629-13632	16.4	16
193	Quartz Crystal Microbalance Assay of Clinical Calcinosi s Samples and Their Synthetic Models Differentiates the Efficacy of Chelation-Based Treatments. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 27544-27552	9.5	3
192	A sub-Kelvin cryogen-free EPR system. <i>Journal of Magnetic Resonance</i> , <b>2017</b> , 282, 83-88	3	1
191	Quantum Monte Carlo Simulations and High-Field Magnetization Studies of Antiferromagnetic Interactions in a Giant Hetero-Spin Ring. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16798-16801	3.6	5
190	On Approaching the Limit of Molecular Magnetic Anisotropy: A Near-Perfect Pentagonal Bipyramidal Dysprosium(III) Single-Molecule Magnet. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 16305-16308	3.6	102
189	On Approaching the Limit of Molecular Magnetic Anisotropy: A Near-Perfect Pentagonal Bipyramidal Dysprosium(III) Single-Molecule Magnet. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 16071-16074	16.4	616
188	Heterodimers of heterometallic rings. <i>Dalton Transactions</i> , <b>2016</b> , 45, 16610-16615	4.3	6
187	Copper Keplerates: High-Symmetry Magnetic Molecules. <i>ChemPhysChem</i> , <b>2016</b> , 17, 55-60	3.2	14
186	Making hybrid [n]-rotaxanes as supramolecular arrays of molecular electron spin qubits. <i>Nature Communications</i> , <b>2016</b> , 7, 10240	17.4	72
185	A monometallic lanthanide bis(methanediide) single molecule magnet with a large energy barrier and complex spin relaxation behaviour. <i>Chemical Science</i> , <b>2016</b> , 7, 155-165	9.4	264
184	[CrF(O2 C(t) Bu)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> , <b>2016</b> , 55, 8856-9	16.4	20
183	[CrF(O2 CtBu)2]9: Synthesis and Characterization of a Regular Homometallic Ring with an Odd Number of Metal Centers and Electrons. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 9002-9005	3.6	9
182	A modular design of molecular qubits to implement universal quantum gates. <i>Nature Communications</i> , <b>2016</b> , 7, 11377	17.4	144
181	Synthesis, Electronic, Magnetic and Structural Characterization of New Trinuclear Mixed-Valence CoIII-CoII-CoIII Complex.. <i>ChemistrySelect</i> , <b>2016</b> , 1, 6866-6871	1.8	6
180	Studies of a Large Odd-Numbered Odd-Electron Metal Ring: Inelastic Neutron Scattering and Muon Spin Relaxation Spectroscopy of Cr8 Mn. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 1779-88	4.8	20

179	Physicochemical Properties of Near-Linear Lanthanide(II) Bis(silylamide) Complexes (Ln = Sm, Eu, Tm, Yb). <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 10057-10067	5.1	54
178	Observation of the influence of dipolar and spin frustration effects on the magnetocaloric properties of a trigonal prismatic {Gd} molecular nanomagnet. <i>Chemical Science</i> , <b>2016</b> , 7, 4891-4895	9.4	32
177	A pseudo-icosahedral cage {Gd <sub>12</sub> } based on aminomethylphosphonate. <i>Dalton Transactions</i> , <b>2016</b> , 45, 9041-4	4.3	31
176	A Trigonal Prismatic Mononuclear Cobalt(II) Complex Showing Single-Molecule Magnet Behavior. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 9792-5	16.4	228
175	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> , <b>2015</b> , 44, 14027-33	4.3	9
174	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> , <b>2015</b> , 54, 6331-7	5.1	17
173	A hybrid organic-inorganic molecular daisy chain. <i>Chemical Communications</i> , <b>2015</b> , 51, 11126-9	5.8	14
172	Microstrip Resonators and Broadband Lines for X-band EPR Spectroscopy of Molecular Nanomagnets. <i>Applied Magnetic Resonance</i> , <b>2015</b> , 46, 749-756	0.8	14
171	High temperature spin dynamics in linear magnetic chains, molecular rings, and segments by nuclear magnetic resonance. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17B308	2.5	2
170	Crystal structure of diethyl 3,3'-[2,2'-(1E)-[1,4-phenyl-enebis(azan-1-yl-1-yl-idene)]]bis-(methan-1-yl-1-yl-idene)bis-(1H-pyrrole-2,1-di-yl)]di-propano-Acta Crystallographica Section E: Crystallographic Communications, <b>2015</b> , 71, o259-60		
169	Crystal structure of diethyl 2,2'-[[(1E,1'E)-[(1R,4R)-cyclo-hexane-1,4-di-yl]bis-(aza-nyl-yl-idene)]]bis-(methanylyl-idene)bis-(1H-pyrrole-2,1-di-yl)]di-ac-Acta Crystallographica Section E: Crystallographic Communications, <b>2015</b> , 71, o165-6		
168	Low temperature magnetic properties and spin dynamics in single crystals of Cr <sub>8</sub> Zn antiferromagnetic molecular rings. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 244321	3.9	19
167	Engineering coherent interactions in molecular nanomagnet dimers. <i>Npj Quantum Information</i> , <b>2015</b> , 1,	8.6	79
166	Heterometallische Ringe: physikalische Eigenschaften und Verwendung als supramolekulare Bausteine. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 14450-14477	3.6	24
165	g-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</i> , <b>2015</b> , 127, 11008-11011	3.6	10
164	g-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> , <b>2015</b> , 54, 10858-61	16.4	31
163	Heterometallic Rings: Their Physics and use as Supramolecular Building Blocks. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 14244-69	16.4	85
162	Systematic Study of a Family of Butterfly-Like {M <sub>2</sub> Ln <sub>2</sub> } Molecular Magnets (M = Mg(II), Mn(III), Co(II), Ni(II), and Cu(II); Ln = Y(III), Gd(III), Tb(III), Dy(III), Ho(III), and Er(III)). <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 5930-41	5.1	87

161	Controlled Synthesis of Nanoscopic Metal Cages. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7644-7	16.4	38
160	Electronic Structure of a Mixed-Metal Fluoride-Centered Triangle Complex: A Potential Qubit Component. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 12019-26	5.1	13
159	Coherent Spin Dynamics in Molecular Cr <sub>8</sub> Zn Wheels. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 5062-6.4	19	
158	Comparison of spin dynamics and magnetic properties in antiferromagnetic closed and open molecular Cr-based rings. <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 506001	1.8	2
157	The first near-linear bis(amide) f-block complex: a blueprint for a high temperature single molecule magnet. <i>Chemical Communications</i> , <b>2015</b> , 51, 101-3	5.8	191
156	An extended framework of cages formed of pre-synthesised and functionalised heterometallic cages. <i>Chemical Communications</i> , <b>2015</b> , 51, 3533-6	5.8	4
155	Molecular nanomagnets with switchable coupling for quantum simulation. <i>Scientific Reports</i> , <b>2014</b> , 4, 7423	4.9	50
154	A One-Pot Synthesis of Monodispersed Iron Cobalt Oxide and Iron Manganese Oxide Nanoparticles from Bimetallic Pivalate Clusters. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 999-1013	9.6	45
153	Coherent electron spin manipulation in a dilute oriented ensemble of molecular nanomagnets: pulsed EPR on doped single crystals. <i>Chemical Communications</i> , <b>2014</b> , 50, 91-3	5.8	41
152	Chemical specificity in REDOX-responsive materials: the diverse effects of different Reactive Oxygen Species (ROS) on polysulfide nanoparticles. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 1393	4.9	37
151	Molecule-based magnetic coolers. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 1462-75	58.5	445
150	Synthesis and characterization of nickel(II) phosphonate complexes utilizing pyridonates and carboxylates as co-ligands. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 1128-34	5.1	21
149	Direct measurement of dysprosium(III)⋯dysprosium(III) interactions in a single-molecule magnet. <i>Nature Communications</i> , <b>2014</b> , 5, 5243	17.4	190
148	The acid test: the chemistry of carboxylic acid functionalised {Cr <sub>7</sub> Ni} rings. <i>Chemical Science</i> , <b>2014</b> , 5, 235-239	9.4	25
147	Hot injection thermolysis of heterometallic pivalate clusters for the synthesis of monodisperse zinc and nickel ferrite nanoparticles. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 6781-6789	7.1	12
146	Relationships between electron density and magnetic properties in water-bridged dimetal complexes. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 11531-9	5.1	7
145	On the possibility of magneto-structural correlations: detailed studies of dinickel carboxylate complexes. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 8464-72	5.1	27
144	A detailed study of the magnetism of chiral {Cr <sub>M</sub> } rings: an investigation into parametrization and transferability of parameters. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 9763-72	16.4	20

143	Iron lanthanide phosphonate clusters: {Fe <sub>6</sub> Ln <sub>6</sub> P <sub>6</sub> } Wells-Dawson-like structures with D <sub>3d</sub> symmetry. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 3032-8	5.1	50
142	Large Zero-Field Splittings of the Ground Spin State Arising from Antisymmetric Exchange Effects in Heterometallic Triangles. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 5414-5417	3.6	1
141	239. Analysis and Dissolution of SSC-Related Calcinoses. <i>Rheumatology</i> , <b>2014</b> , 53, i149-i149	3.9	2
140	Metal distribution and disorder in the crystal structure of [NH <sub>2</sub> Et <sub>2</sub> ][Cr <sub>7</sub> MF <sub>8</sub> ((t)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> , <b>2014</b> , 70, 932-41	1.8	7
139	Rücktitelbild: Large Zero-Field Splittings of the Ground Spin State Arising from Antisymmetric Exchange Effects in Heterometallic Triangles (Angew. Chem. 21/2014). <i>Angewandte Chemie</i> , <b>2014</b> , 126, 5578-5578	3.6	
138	Quantum spin coherence in halogen-modified Cr <sub>7</sub> Ni molecular nanomagnets. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	22
137	A ring of rings and other multicomponent assemblies of cages. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 9932-5	16.4	58
136	Magnetic relaxation pathways in lanthanide single-molecule magnets. <i>Nature Chemistry</i> , <b>2013</b> , 5, 673-8	17.6	583
135	Physical studies of heterometallic rings: an ideal system for studying magnetically-coupled systems. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 1796-806	58.5	65
134	An electrostatic model for the determination of magnetic anisotropy in dysprosium complexes. <i>Nature Communications</i> , <b>2013</b> , 4, 2551	17.4	438
133	Synthesis of monodispersed magnetite nanoparticles from iron pivalate clusters. <i>Dalton Transactions</i> , <b>2013</b> , 42, 196-206	4.3	25
132	Molecular amino-phosphonate cobalt-lanthanide clusters. <i>Chemical Communications</i> , <b>2013</b> , 49, 3522-4	5.8	78
131	Lanthanide single-molecule magnets. <i>Chemical Reviews</i> , <b>2013</b> , 113, 5110-48	68.1	2024
130	Single-Molecule Magnetism in Tetrametallic Terbium and Dysprosium Thiolate Cages. <i>Organometallics</i> , <b>2013</b> , 32, 1224-1229	3.8	59
129	Rings and threads as linkers in metal-organic frameworks and poly-rotaxanes. <i>Chemical Communications</i> , <b>2013</b> , 49, 7195-7	5.8	33
128	Wells-Dawson cages as molecular refrigerants. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 13702-7	5.1	27
127	A Ring of Rings and Other Multicomponent Assemblies of Cages. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 10116-10119	3.1	23
126	A classification of spin frustration in molecular magnets from a physical study of large odd-numbered-metal, odd electron rings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 19113-8	11.5	102



125	Co-Ln mixed-metal phosphonate grids and cages as molecular magnetic refrigerants. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 1057-65	16.4	332
124	Spin dynamics of molecular nanomagnets unravelled at atomic scale by four-dimensional inelastic neutron scattering. <i>Nature Physics</i> , <b>2012</b> , 8, 906-911	16.2	87
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4	[[Hg <sub>3</sub> Co(C <sub>4</sub> H <sub>6</sub> NO) <sub>6</sub> ](NO <sub>3</sub> ) <sub>2</sub> ] <sub>n</sub> : A Macrobicyclic Bimetallic Chain Polymer Incorporating Deprotonated 2-Pyrrolidone Bridges. <i>Angewandte Chemie International Edition in English</i> , <b>1988</b> , 27, 261-262		15
3	Novel Bimetallic Macrocyclic Polymer Structures Incorporating Deprotonated 2-Pyrrolidone Bridges: The Crystal Structures of [[Hg <sub>2</sub> Cu(C <sub>4</sub> H <sub>6</sub> NO) <sub>4</sub> ] <sub>2</sub> ] <sub>n</sub> (X = NO <sub>3</sub> or ClO <sub>4</sub> ). <i>Angewandte Chemie International Edition in English</i> , <b>1987</b> , 26, 1044-1045		13
2	X- and Q-Band ESR Studies of Binuclear Copper(II) Complexes with 3-Alkyl-2-pyridone Bridging Ligands. <i>Bulletin of the Chemical Society of Japan</i> , <b>1986</b> , 59, 344-346	5.1	11
1	Tuning the Performance of Negative Tone Electron Beam Resists for the Next Generation Lithography. <i>Advanced Functional Materials</i> , <b>2020</b> , 202710	15.6	3