

Annie K Powell

List of Publications by Citations

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529
papers

24,245
citations

77
h-index

130
g-index

560
ext. papers

25,515
ext. citations

5.6
avg, IF

6.9
L-index

#	Paper	IF	Citations
529	Strategies towards single molecule magnets based on lanthanide ions. <i>Coordination Chemistry Reviews</i> , 2009 , 253, 2328-2341	23.2	1289
528	Dysprosium triangles showing single-molecule magnet behavior of thermally excited spin states. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1729-33	16.4	754
527	Strong axiality and Ising exchange interaction suppress zero-field tunneling of magnetization of an asymmetric Dy ₂ single-molecule magnet. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11948-51	16.4	604
526	A ferromagnetically coupled Mn(19) aggregate with a record S=83/2 ground spin state. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4926-9	16.4	496
525	Coupling Dy ₃ triangles enhances their slow magnetic relaxation. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6352-6	16.4	354
524	Constraining the coordination geometries of lanthanide centers and magnetic building blocks in frameworks: a new strategy for molecular nanomagnets. <i>Chemical Society Reviews</i> , 2016 , 45, 2423-39	58.5	327
523	A bell-shaped Mn ₁₁ Gd ₂ single-molecule magnet. <i>Journal of the American Chemical Society</i> , 2007 , 129, 9248-9	16.4	278
522	Synthesis, Structures, and Magnetic Properties of Fe ₂ , Fe ₁₇ , and Fe ₁₉ Oxo-Bridged Iron Clusters: The Stabilization of High Ground State Spins by Cluster Aggregates. <i>Journal of the American Chemical Society</i> , 1995 , 117, 2491-2502	16.4	266
521	Pentanuclear dysprosium hydroxy cluster showing single-molecule-magnet behavior. <i>Inorganic Chemistry</i> , 2008 , 47, 6581-3	5.1	259
520	Spin chirality in a molecular dysprosium triangle: the archetype of the noncollinear Ising model. <i>Physical Review Letters</i> , 2008 , 100, 247205	7.4	256
519	Heterometallic [Mn ₅ -Ln ₄] single-molecule magnets with high anisotropy barriers. <i>Chemistry - A European Journal</i> , 2008 , 14, 3577-84	4.8	250
518	Coexistence of distinct single-ion and exchange-based mechanisms for blocking of magnetization in a Co(II) ₂ Dy(III) ₂ single-molecule magnet. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7550-4	16.4	248
517	Multicolor silicon light-emitting diodes (SiLEDs). <i>Nano Letters</i> , 2013 , 13, 475-80	11.5	241
516	Anion-perturbed magnetic slow relaxation in planar {Dy ₄ } clusters. <i>Inorganic Chemistry</i> , 2008 , 47, 10813-5	5.1	233
515	An octanuclear [Cr(III)4Dy(III)4] 3d-4f single-molecule magnet. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7583-7	16.4	231
514	Influence of Guest Exchange on the Magnetization Dynamics of Dilanthanide Single-Molecule-Magnet Nodes within a Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9861-5	16.4	230
513	Magnetostructural correlations in the tetranuclear series of {Fe ₃ LnO ₂ } butterfly core clusters: Magnetic and Mössbauer spectroscopic study. <i>Physical Review B</i> , 2009 , 80,	3.3	230

512	Structural motifs and topological representation of Mn coordination clusters. <i>Chemical Society Reviews</i> , 2010 , 39, 2238-71	58.5	227
511	Hexadecacobalt(II)-containing polyoxometalate-based single-molecule magnet. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4708-11	16.4	218
510	A non-sandwiched macrocyclic monolanthanide single-molecule magnet: the key role of axiality. <i>Chemistry - A European Journal</i> , 2011 , 17, 4362-5	4.8	215
509	A heterometallic Fe(II)-Dy(III) single-molecule magnet with a record anisotropy barrier. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12966-70	16.4	207
508	Series of isostructural planar lanthanide complexes $[\text{Ln}(\text{III})_4(\mu_3\text{-OH})_2(\text{mdeaH})_2(\text{piv})_8]$ with single molecule magnet behavior for the Dy ₄ analogue. <i>Inorganic Chemistry</i> , 2010 , 49, 8067-72	5.1	207
507	Coupling Dy ₃ triangles to maximize the toroidal moment. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12767-71	16.4	191
506	Supramolecular "double-propeller" dimers of hexanuclear Cu(II)/Ln(III) complexes: a $\{\text{Cu}_3\text{Dy}_3\}_2$ single-molecule magnet. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1614-9	16.4	186
505	High-nucularity cobalt coordination clusters: Synthetic, topological and magnetic aspects. <i>Coordination Chemistry Reviews</i> , 2012 , 256, 1246-1278	23.2	185
504	Towards nanostructured arrays of single molecule magnets: new Fe ₁₉ oxyhydroxide clusters displaying high ground state spins and hysteresis. <i>Dalton Transactions RSC</i> , 2000 , 1835-1840		183
503	A [Mn ₁₈ Dy] SMM resulting from the targeted replacement of the central Mn ^{II} in the S = 83/2 [Mn ₁₉]-aggregate with Dy ^{III} . <i>Chemical Communications</i> , 2009 , 544-6	5.8	178
502	Hydrothermal Synthesis, Structure, and Magnetism of $[\text{Co}_2(\text{OH})\{1,2,3-(\text{O}_2\text{C})_3\text{C}_6\text{H}_3\}(\text{H}_2\text{O})]?\text{H}_2\text{O}$ and $[\text{Co}_2(\text{OH})\{1,2,3-(\text{O}_2\text{C})_3\text{C}_6\text{H}_3\}]$: Magnetic Chains with Mixed Cobalt Geometries. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1920-1923	16.4	176
501	High-spin cyclopentadienyl complexes: a single-molecule magnet based on the aryl-iron(II) cyclopentadienyl type. <i>Chemistry - A European Journal</i> , 2011 , 17, 4700-4	4.8	165
500	Opening up a dysprosium triangle by ligand oximation. <i>Chemical Communications</i> , 2009 , 6765-7	5.8	159
499	A single-molecule magnet assembly exhibiting a dielectric transition at 470 K. <i>Chemical Science</i> , 2012 , 3, 3366	9.4	150
498	Defect-dicubane Ni ₂ Ln ₂ (Ln = Dy, Tb) single molecule magnets. <i>Inorganic Chemistry</i> , 2011 , 50, 11604-11	5.1	145
497	Transition metal complexes of phenanthrenequinone thiosemicarbazone as potential anticancer agents: synthesis, structure, spectroscopy, electrochemistry and in vitro anticancer activity against human breast cancer cell-line, T47D. <i>Journal of Inorganic Biochemistry</i> , 2003 , 95, 306-14	4.2	137
496	Heterometallic Cu ^{II} /Dy ^{III} 1D chiral polymers: chirogenesis and exchange coupling of toroidal moments in trinuclear Dy ₃ single molecule magnets. <i>Chemical Science</i> , 2012 , 3, 1169	9.4	133
495	A novel mixed-ligand antimycobacterial dimeric copper complex of ciprofloxacin and phenanthroline. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004 , 14, 3027-32	2.9	133

494	An NCN-pincer ligand dysprosium single-ion magnet showing magnetic relaxation via the second excited state. <i>Scientific Reports</i> , 2014 , 4, 5471	4.9	129
493	Structural chemistry and In vitro antitubercular activity of acetylpyridine benzoyl hydrazone and its copper complex against <i>Mycobacterium smegmatis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003 , 13, 51-5	2.9	125
492	A family of 3d-4f octa-nuclear [Mn(III)(4)Ln(III)(4)] wheels (Ln = Sm, Gd, Tb, Dy, Ho, Er, and Y): synthesis, structure, and magnetism. <i>Inorganic Chemistry</i> , 2010 , 49, 11587-94	5.1	124
491	Solvothermal Synthesis of the Canted Antiferromagnet {K ₂ [CoO ₃ PCH ₂ N(CH ₂ CO ₂) ₂]}x H ₂ O. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 1088-90	16.4	120
490	Self-Assembly of a Giant Tetrahedral 3 d-4 f Single-Molecule Magnet within a Polyoxometalate System. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15574-8	16.4	117
489	Polymerisation of the dysprosium acetate dimer switches on single-chain magnetism. <i>Chemistry - A European Journal</i> , 2009 , 15, 12566-70	4.8	114
488	Combined magnetic susceptibility measurements and ⁵⁷ Fe Mössbauer spectroscopy on a ferromagnetic {Fe(III)4Dy4} ring. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5185-8	16.4	111
487	Dysprosium Triangles Showing Single-Molecule Magnet Behavior of Thermally Excited Spin States. <i>Angewandte Chemie</i> , 2006 , 118, 1761-1765	3.6	111
486	A series of new structural models for the OEC in photosystem II. <i>Chemical Communications</i> , 2006 , 2650-25.8		110
485	The Trapping of Iron Hydroxide Units by the Ligand Heidi: Two New Hydroxo(oxo)iron Clusters Containing 19 and 17 Iron Atoms. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 191-193		109
484	Electron Localization and Delocalization in Mixed-Valence Transition Metal Clusters: Structural and Spectroscopic Studies of Oxo-Centered Trinuclear Complexes [Fe ₃ O(OOCMe ₃) ₆ (py) ₃] ^{+/-} and [Mn ₃ O(OOCMe ₃) ₆ (py) ₃] ^{+/-} . <i>Inorganic Chemistry</i> , 1998 , 37, 1913-1921	5.1	108
483	Dissimilatory Fe(III) reduction by Clostridium beijerinckii isolated from freshwater sediment using Fe(III) maltol enrichment. <i>FEMS Microbiology Letters</i> , 1999 , 176, 131-8	2.9	107
482	From a Dy(III) single molecule magnet (SMM) to a ferromagnetic [Mn(II)Dy(III)Mn(II)] trinuclear complex. <i>Inorganic Chemistry</i> , 2012 , 51, 9589-97	5.1	105
481	A tetranuclear, macrocyclic 3d-4f complex showing single-molecule magnet behavior. <i>Inorganic Chemistry</i> , 2011 , 50, 4232-4	5.1	105
480	Synthesis, molecular characterization, and biological activity of novel synthetic derivatives of chromen-4-one in human cancer cells. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 3800-8	8.3	105
479	A Ferromagnetically Coupled Mn ₁₉ Aggregate with a Record S=83/2 Ground Spin State. <i>Angewandte Chemie</i> , 2006 , 118, 5048-5051	3.6	103
478	Engineering coordination architecture by hydrothermal synthesis; preparation, X-ray crystal structure and magnetic behaviour of the coordination solid [Mn ₃ {C ₆ H ₃ (CO ₂) ₃ -1,3,5}]. <i>Chemical Communications</i> , 1996 , 823	5.8	101
477	Zinkkomplexe von Aminosäuren und Peptiden, 2[1]. Koordination einfacher Histidin-Derivate an Zink. <i>Chemische Berichte</i> , 1993 , 126, 2643-2648		98

476	Iron(II) Formate $[Fe(O_2CH)_2]_n/3HCO_2H$: A Mesoporous Magnet Solvothermal Syntheses and Crystal Structures of the Isomorphous Framework Metal(II) Formates $[M(O_2CH)_2]_n$ (Solvent) ($M = Fe, Co, Ni, Zn, Mg$). <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 692-703	2.3	94
475	A symmetry-breaking spin-state transition in iron(III). <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 896-900	16.4	93
474	Probing lanthanide anisotropy in Fe-Ln aggregates by using magnetic susceptibility measurements and ^{57}Fe Mössbauer spectroscopy. <i>Chemistry - A European Journal</i> , 2009 , 15, 7278-82	4.8	91
473	Magnetic and ^{57}Fe Mössbauer study of the single molecule magnet behavior of a Dy ₃ Fe ₇ coordination cluster. <i>Inorganic Chemistry</i> , 2009 , 48, 9345-55	5.1	90
472	Odd-numbered Fe(III) complexes: synthesis, molecular structure, reactivity, and magnetic properties. <i>Inorganic Chemistry</i> , 2007 , 46, 756-66	5.1	89
471	Hydrothermal Synthesis of Microporous Transition Metal Squarates: Preparation and Structure of $[CO_3(\beta-OH)_2(C_4O_4)_2]_n$. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 991-992		88
470	Antiferromagnetic three-dimensional order induced by carboxylate bridges in a two-dimensional network of $[Cu_3(dcp)_2(H_2O)_4]$ trimers. <i>Inorganic Chemistry</i> , 2003 , 42, 3492-500	5.1	87
469	The building block approach to extended solids: 3,5-pyrazoledicarboxylate coordination compounds of increasing dimensionality. <i>Dalton Transactions</i> , 2004 , 852-61	4.3	86
468	Magnetothermal studies of a series of coordination clusters built from ferromagnetically coupled {Mn(II)} ₄ {Mn(III)} ₆ } supertetrahedral units. <i>Chemistry - A European Journal</i> , 2010 , 16, 12865-72	4.8	85
467	Synthesis and magnetism of oxygen-bridged tetranuclear defect dicubane Co(II) and Ni(II) clusters. <i>Dalton Transactions</i> , 2004 , 2670-6	4.3	85
466	Synthesis, structures and magnetic properties of a series of 3d-4f tetranuclear Co(II)-Ln(III)-cubanes. <i>Dalton Transactions</i> , 2010 , 39, 4911-7	4.3	84
465	Modelling the magnetic behaviour of square-pyramidal Co(II) ₅ aggregates: tuning SMM behaviour through variations in the ligand shell. <i>Chemistry - A European Journal</i> , 2009 , 15, 7413-22	4.8	84
464	Molecular magnets containing wheel motifs. <i>Inorganic Chemistry</i> , 2009 , 48, 3396-407	5.1	84
463	Structure and magnetic properties of a giant Cu ₄₄ II aggregate which packs with a zeotypic superstructure. <i>Inorganic Chemistry</i> , 2004 , 43, 7269-71	5.1	84
462	Macroscopic Hexagonal Tubes of 3 d-4 f Metallocycles. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15574-15578	16.4	81
461	Family of heterometallic semicircular Mn(III) ₂ Ln(III) ₃ strands. <i>Inorganic Chemistry</i> , 2009 , 48, 3502-4	5.1	81
460	Bifunctional ligand approach for constructing 3d-4f heterometallic clusters. <i>Inorganic Chemistry</i> , 2007 , 46, 7229-31	5.1	81
459	An undecanuclear Fe(III) single-molecule magnet. <i>Inorganic Chemistry</i> , 2010 , 49, 1-3	5.1	79

458	Structural phase transition and magnetic properties of layered organic-inorganic hybrid compounds: p-Haloanilinium tetrachlorocuprate(II). <i>Polyhedron</i> , 2011 , 30, 1565-1570	2.7	79
457	Structural characterization of artificial self-assembling porphyrins that mimic the natural chlorosomal bacteriochlorophylls c, d, and e. <i>Chemistry - A European Journal</i> , 2005 , 11, 2267-75	4.8	79
456	An approach to describing the topology of polynuclear clusters. <i>Coordination Chemistry Reviews</i> , 2009 , 253, 2686-2697	23.2	78
455	Enhancing single molecule magnet parameters. Synthesis, crystal structures and magnetic properties of mixed-valent Mn ₄ SMMs. <i>Journal of Materials Chemistry</i> , 2006 , 16, 2579-2586		78
454	Effect of ligand substitution on the interaction between anisotropic Dy(III) ions and ⁵⁷ Fe nuclei in Fe ₂ Dy ₂ coordination clusters. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15335-7	16.4	77
453	Trigonal propeller-shaped [Mn(III)3M(II)Na] complexes (M = Mn, Ca): structural and functional models for the dioxygen evolving centre of PSII. <i>Dalton Transactions</i> , 2011 , 40, 2699-702	4.3	77
452	Heterometallic 20-membered {Fe ₁₆ Ln ₄ } (Ln = Sm, Eu, Gd, Tb, Dy, Ho) metallo-ring aggregates. <i>Dalton Transactions</i> , 2011 , 40, 4080-6	4.3	77
451	Hierarchical assembly of {Fe ₁₃ } oxygen-bridged clusters into a close-packed superstructure. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6678-82	16.4	75
450	Structures and magnetic properties of Mn(III)Ln(III) aggregates with a "square-in-square" topology. <i>Dalton Transactions</i> , 2010 , 39, 4918-27	4.3	74
449	Coordination chemistry of a pi-extended, rigid and redox-active tetrathiafulvalene-fused Schiff-base ligand. <i>Inorganic Chemistry</i> , 2008 , 47, 3452-9	5.1	73
448	A family of 13 tetranuclear zinc(II)-lanthanide(III) complexes of a [3+3] Schiff-base macrocycle derived from 1,4-diformyl-2,3-dihydroxybenzene. <i>Dalton Transactions</i> , 2011 , 40, 11425-32	4.3	71
447	Tridecanuclear [Mn(III)5Ln(III)8] complexes derived from N-(t)butyl-diethanolamine: synthesis, structures, and magnetic properties. <i>Inorganic Chemistry</i> , 2009 , 48, 6713-23	5.1	71
446	Synthesis, magnetism, and electrochemistry of the Ni ₁₄ - and Ni ₅ -containing heteropolytungstates [Ni ₁₄ (OH) ₆ (H ₂ O) ₁₀ (HPO ₄) ₄ (P ₂ W ₁₅ O ₅₆) ₄] ³⁴⁻ and [Ni ₅ (OH) ₄ (H ₂ O) ₄ (GeW ₉ O ₃₄) ₄ (GeW ₈ O ₃₀ (OH))] ¹³⁻ . <i>Inorganic Chemistry</i> , 2013 , 52, 8399-408	5.1	70
445	Comparative X-ray and ²⁷ Al NMR spectroscopic studies of the speciation of aluminum in aqueous systems: Al(III) complexes of N(CH ₂ CO ₂ H) ₂ (CH ₂ CH ₂ OH). <i>Journal of Inorganic Biochemistry</i> , 1995 , 59, 785-794	4.2	69
444	Dinuclear iron(III)-metal(II) complexes as structural core models for purple acid phosphatases. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997 , 4011-4018		68
443	Family of Mn(III)(2)Ln(2)(mu(4)-O) compounds: syntheses, structures, and magnetic properties. <i>Inorganic Chemistry</i> , 2010 , 49, 5293-302	5.1	67
442	By design: a macrocyclic 3d-4f single-molecule magnet with quantifiable zero-field slow relaxation of magnetization. <i>Inorganic Chemistry</i> , 2013 , 52, 3236-40	5.1	66
441	Homo- and Heterovalent Polynuclear Cerium and Cerium/Manganese Aggregates. <i>Helvetica Chimica Acta</i> , 2009 , 92, 2507-2524	2	66

440	Optical detection of spin polarization in single-molecule magnets [Mn(12)O(12)(O(2)CR)(16)(H(2)O)(4)]. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9219-28	16.4	64
439	CFx Derived Carbon@FeF ₂ Nanocomposites for Reversible Lithium Storage. <i>Advanced Energy Materials</i> , 2013 , 3, 308-313	21.8	63
438	Spin-canting and metamagnetic behavior in a new species from the hydrothermal Co(II)-trans-3-pyridylacrylate system. <i>Inorganic Chemistry</i> , 2009 , 48, 9205-13	5.1	63
437	High-nuclearity 3d-4f [Fe _{III} Ln _{III}] ₈ complexes: synthesis, structure and magnetic properties. <i>Dalton Transactions</i> , 2007 , 5245-7	4.3	63
436	Synthesis, structures and magnetic properties of heterometallic Mn ₂ Ln ₂ tetranuclear complexes. <i>Polyhedron</i> , 2009 , 28, 1698-1703	2.7	62
435	Ferromagnetic interactions mediated by syn/anti carboxylate bridging in tetranuclear copper(II) compounds. <i>Inorganica Chimica Acta</i> , 2002 , 337, 328-336	2.7	62
434	Solvothermal Synthesis and Structure of Anhydrous Manganese(II) Formate, and Its Topotactic Dehydration from Manganese(II) Formate Dihydrate. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 2283-2289	2.3	62
433	Observation of slow relaxation of the magnetization and hysteresis loop in an antiferromagnetic ordered phase of a 2D framework based on Co(II) magnetic chains. <i>Chemical Communications</i> , 2011 , 47, 2859-61	5.8	61
432	Intra and intermolecular magnetic interactions in a series of dinuclear Cu(II)/hxta complexes [H ₅ hxta = N,N'-(2-hydroxy-1,3-xylylene)-bis-(N-carboxymethylglycine)]: correlation of magnetic properties with geometry. <i>Inorganic Chemistry</i> , 2004 , 43, 5931-43	5.1	61
431	Synthesis of Low-Coordinate Chalcogenolato Complexes of Zinc with O, N, S, and P Donor Ligands. Molecular and Crystal Structures of Zn(S-t-Bu ₃ C ₆ H ₂ -2,4,6)₂(L) (L = NC ₅ H ₃ Me ₂ -2,6, PMePh ₂), Zn(Se-t-Bu ₃ C ₆ H ₂ -2,4,6)₂(OSC ₄ H ₈) and Zn(S-t-Bu ₃ C ₆ H ₂ -2,4,6)₂(N-methylimidazole)₂. <i>Inorganic Chemistry</i> , 1994 , 33, 2280-2296	5.1	61
430	Monofunktionelle tetraedrische Zink-Komplexe L ₃ ZnX [L ₃ ?Tris(pyrazolyl)borat]. <i>Chemische Berichte</i> , 1993 , 126, 685-694		61
429	High spin cycles: topping the spin record for a single molecule verging on quantum criticality. <i>Npj Quantum Materials</i> , 2018 , 3,	5	60
428	Multitechnique investigation of Dy - implications for coupled lanthanide clusters. <i>Chemical Science</i> , 2016 , 7, 4347-4354	9.4	60
427	Ferrimagnetic [CoI ₃ (micro ₃ -OH) ₂ (RCO ₂) ₄] chains embedded in a laminar hybrid material exhibiting single-chain magnet behaviour. <i>Dalton Transactions</i> , 2009 , 1897-900	4.3	60
426	Solvothermal synthesis of [Cr ₁₀ (EO ₂ CMe) ₁₀ (EOR) ₂₀] chromic wheels with antiferromagnetic (R = Et) and ferromagnetic (R = Me) Cr(III)Cr(III) interactions. <i>Chemical Communications</i> , 2001 , 89-90	5.8	60
425	Ringing the changes in Fe _{III} /Yb _{III} cyclic coordination clusters. <i>Chemical Science</i> , 2013 , 4, 4354	9.4	59
424	Effect of Ligand Field Tuning on the SMM Behavior for Three Related Alkoxide-Bridged Dysprosium Dimers. <i>Inorganic Chemistry</i> , 2016 , 55, 68-74	5.1	58
423	Magnetic coordination clusters and networks: synthesis and topological description. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 1509-36	3	58

422	Synthesis, structures and properties of hydrolytic Al(III) aggregates and Fe(III) analogues formed with iminodiacetate-based chelating ligands. <i>Coordination Chemistry Reviews</i> , 2002 , 228, 115-126	23.2	58
421	Hydrothermal synthesis, structure, stability and magnetism of Na ₂ Co ₂ (C ₂ O ₄) ₃ (H ₂ O) ₂ : a new metal oxalate ladder. <i>Dalton Transactions RSC</i> , 2000 , 3566-3569		58
420	Spin frustration and concealed asymmetry: structure and magnetic spectrum of [Fe ₃ O(O ₂ CPh) ₆ (py) ₃]ClO ₄ [py]. <i>Dalton Transactions RSC</i> , 2001 , 862-866		57
419	Unprecedented chemical transformation: crystallographic evidence for 1,1,2,2-tetrahydroxyethane captured within an Fe(6)Dy(3) single molecule magnet. <i>Chemical Communications</i> , 2013 , 49, 1696-8	5.8	56
418	Highly nonplanar, electron deficient, N-substituted tetra-oxocyclohexadienylidene porphyrinogens: structural, computational, and electrochemical investigations. <i>Journal of Organic Chemistry</i> , 2004 , 69, 5861-9	4.2	56
417	Coexistence of Distinct Single-Ion and Exchange-Based Mechanisms for Blocking of Magnetization in a CoII ₂ DyIII ₂ Single-Molecule Magnet. <i>Angewandte Chemie</i> , 2012 , 124, 7668-7672	3.6	55
416	In situ hydrothermal synthesis of dysprosium(III) single-molecule magnet with lanthanide salt as catalyst. <i>Dalton Transactions</i> , 2012 , 41, 5816-23	4.3	54
415	X-Ray crystal structure of a mesogenic octa-substituted phthalocyanine. <i>Journal of the Chemical Society Chemical Communications</i> , 1992 , 444		53
414	Ferromagnetic heteronuclear {Fe ₄ (Er,Lu) ₂ } cyclic coordination clusters based on ferric wheels. <i>Chemical Communications</i> , 2012 , 48, 9825-7	5.8	52
413	Half-sandwich complexes of titanium and zirconium with pendant phenyl substituents. The influence of ansa-aryl coordination on the polymerisation activity of half-sandwich catalysts. <i>Journal of Organometallic Chemistry</i> , 1999 , 592, 84-94	2.3	52
412	Magnetic anisotropy and exchange coupling in a family of isostructural Fe(III)2Ln(III)2 complexes. <i>Dalton Transactions</i> , 2013 , 42, 8926-38	4.3	50
411	Pentacobalt(II) cluster based pcu network exhibits both magnetic slow-relaxation and hysteresis behaviour. <i>Dalton Transactions</i> , 2011 , 40, 27-30	4.3	50
410	New heterometallic [Mn(III)(4)Ln(III)(4)] wheels incorporating formate ligands. <i>Dalton Transactions</i> , 2010 , 39, 3375-7	4.3	50
409	Dynamic chemical devices: photoinduced electron transfer and its ion-triggered switching in nanomechanical butterfly-type bis(porphyrin)terpyridines. <i>Chemistry - A European Journal</i> , 2006 , 12, 1934-40	4.8	50
408	A switchable self-assembling and disassembling chiral system based on a porphyrin-substituted phenylalanine-phenylalanine motif. <i>Nature Communications</i> , 2016 , 7, 12657	17.4	49
407	An octanuclear {Cu(II)4Dy(III)4} coordination cluster showing single molecule magnet behaviour from field accessible states. <i>Chemical Communications</i> , 2014 , 50, 1882-5	5.8	49
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19	Multimodeling Approach to Ferromagnetic Spin-Wave Excitations in the High-Spin Cluster MnSr Observed by Inelastic Neutron Scattering. <i>Inorganic Chemistry</i> , 2019 , 58, 11256-11268	5.1	0
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8	Synthesis and Supramolecular Structure of a (5-(3-(1H-tetrazol-5-yl)phenyl)-1H-tetrazole) Cobalt Complex. <i>Bioinorganic Chemistry and Applications</i> , 2010 , 104329	4.2
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5	Synthesis and Molecular Structures of Some New Cu(II) and Fe(III) Diclofenac Drug Complexes in Different Solvents. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016 , 13, 5399-5407	0.3
4	Synthesis, Spectroscopic, Structural Assignments and Theoretical Calculation of Thermodynamic Parameters of Indomethacin and Diclofenac Anti-Rheumatic Drug Complexes. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016 , 13, 5484-5492	0.3
3	Spin-Spin Interactions Between Er(III) Ions in the [Al ₂ Er ₂ (B-OH) ₂ (pmide) ₂ (p-Me-PhCO ₂) ₆]·2MeCN Compound: EPR Study. <i>Applied Magnetic Resonance</i> , 2020 , 51, 1267-1276	0.8
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