

# Annie K Powell

## List of Publications by Year in descending order

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525  
papers

26,914  
citations

6613

79  
h-index

11052

137  
g-index

560  
all docs

560  
docs citations

560  
times ranked

12600  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies towards single molecule magnets based on lanthanide ions. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2328-2341.	18.8	1,399
2	Dysprosium Triangles Showing Single-Molecule Magnet Behavior of Thermally Excited Spin States. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1729-1733.	13.8	802
3	Strong Axiality and Ising Exchange Interaction Suppress Zero-Field Tunneling of Magnetization of an Asymmetric Dy <sub>2</sub> Single-Molecule Magnet. <i>Journal of the American Chemical Society</i> , 2011, 133, 11948-11951.	13.7	670
4	A Ferromagnetically Coupled Mn <sub>19</sub> Aggregate with a Record S=83/2 Ground Spin State. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4926-4929.	13.8	554
5	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, 2423-2439.	38.1	381
6	Coupling Dy <sub>3</sub> Triangles Enhances Their Slow Magnetic Relaxation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6352-6356.	13.8	377
7	Synthesis, Structures, and Magnetic Properties of Fe <sub>2</sub> , Fe <sub>17</sub> , and Fe <sub>19</sub> 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.	13.7	313
8	A Bell-Shaped Mn <sub>11</sub> Gd <sub>2</sub> Single-Molecule Magnet. <i>Journal of the American Chemical Society</i> , 2007, 129, 9248-9249.	13.7	294
9	Coexistence of Distinct Single-Ion and Exchange-Based Mechanisms for Blocking of Magnetization in a Co <sup>II</sup> Dy <sup>III</sup> Single-Molecule Magnet. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7550-7554.	13.8	277
10	Spin Chirality in a Molecular Dysprosium Triangle: The Archetype of the Noncollinear Ising Model. <i>Physical Review Letters</i> , 2008, 100, 247205.	7.8	273
11	Multicolor Silicon Light-Emitting Diodes (SiLEDs). <i>Nano Letters</i> , 2013, 13, 475-480.	9.1	273
12	Pentanuclear Dysprosium Hydroxy Cluster Showing Single-Molecule-Magnet Behavior. <i>Inorganic Chemistry</i> , 2008, 47, 6581-6583.	4.0	269
13	Influence of Guest Exchange on the Magnetization Dynamics of Lanthanide Single-Molecule Magnet Nodes within a Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9861-9865.	13.8	268
14	Heterometallic [Mn <sub>5</sub> Ln <sub>4</sub> ] Single-Molecule Magnets with High Anisotropy Barriers. <i>Chemistry - A European Journal</i> , 2008, 14, 3577-3584.	3.3	261
15	Magnetostructural correlations in the tetranuclear series of $\text{Fe}_3\text{M}^{\text{II}}\text{Fe}^{\text{III}}$ core clusters: Magnetic and Mössbauer spectroscopic study. <i>Physical Review B</i> , 2009, 80, ...	3.2	256
16	An Octanuclear [Cr <sup>III</sup> <sub>4</sub> Dy <sup>III</sup> <sub>4</sub> ] 3d <sup>4</sup> f Single-Molecule Magnet. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7583-7587.	13.8	256
17	Anion-Perturbed Magnetic Slow Relaxation in Planar {Dy <sub>4</sub> } Clusters. <i>Inorganic Chemistry</i> , 2008, 47, 10813-10815.	4.0	250
18	Hexadecacobalt(II)-Containing Polyoxometalate-Based Single-Molecule Magnet. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4708-4711.	13.8	248

#	ARTICLE	IF	CITATIONS
19	Structural motifs and topological representation of Mn coordination clusters. <i>Chemical Society Reviews</i> , 2010, 39, 2238.	38.1	246
20	A Heterometallic Fe <sup>II</sup> -Dy <sup>III</sup> Single-Molecule Magnet with a Record Anisotropy Barrier. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12966-12970.	13.8	235
21	A Non-sandwiched Macrocyclic Monolanthanide Single-Molecule Magnet: The Key Role of Axiality. <i>Chemistry - A European Journal</i> , 2011, 17, 4362-4365.	3.3	227
22	Series of Isostructural Planar Lanthanide Complexes [Ln <sup>III</sup> <sub>4</sub> ( $\mu_4$ -OH) <sub>2</sub> ( $\mu$ -H) <sub>2</sub> ( $\mu$ -iv) <sub>8</sub> ] with Single Molecule Magnet Behavior for the Dy <sub>4</sub> Analogue. <i>Inorganic Chemistry</i> , 2010, 49, 8067-8072.	4.0	218
23	Coupling Dy <sub>3</sub> Triangles to Maximize the Toroidal Moment. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12767-12771.	13.8	207
24	High-nuclearity cobalt coordination clusters: Synthetic, topological and magnetic aspects. <i>Coordination Chemistry Reviews</i> , 2012, 256, 1246-1278.	18.8	204
25	Towards nanostructured arrays of single molecule magnets: new Fe <sub>19</sub> oxyhydroxide clusters displaying high ground state spins and hysteresis. <i>Dalton Transactions RSC</i> , 2000, , 1835-1840.	2.3	200
26	Supramolecular $\infty$ -Propeller-Dimers of Hexanuclear Cu <sup>II</sup> /Ln <sup>III</sup> Complexes: A {Cu <sub>3</sub> Dy <sub>3</sub> } <sub>2</sub> Single-Molecule Magnet. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1614-1619.	13.8	191
27	Hydrothermal Synthesis, Structure, and Magnetism of [Co <sub>2</sub> (OH){1,2,3-(O <sub>2</sub> C) <sub>3</sub> C <sub>6</sub> H <sub>3</sub> }(H <sub>2</sub> O)] $\cdot$ nH <sub>2</sub> O and [Co <sub>2</sub> (OH){1,2,3-(O <sub>2</sub> C) <sub>3</sub> C <sub>6</sub> H <sub>3</sub> }] $\cdot$ nH <sub>2</sub> O: Magnetic <sup>1D</sup> -Chains with Mixed Cobalt Geometries. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1920-1923.	13.8	186
28	A [Mn <sub>18</sub> Dy] SMM resulting from the targeted replacement of the central Mn <sup>II</sup> in the S = 83/2 [Mn <sub>19</sub> ]-aggregate with Dy <sup>III</sup> . <i>Chemical Communications</i> , 2009, , 544-546.	4.1	186
29	A single-molecule magnet assembly exhibiting a dielectric transition at 470 K. <i>Chemical Science</i> , 2012, 3, 3366.	7.4	175
30	High-Spin Cyclopentadienyl Complexes: A Single-Molecule Magnet Based on the Aryl-Iron(II) Cyclopentadienyl Type. <i>Chemistry - A European Journal</i> , 2011, 17, 4700-4704.	3.3	173
31	Opening up a dysprosium triangle by ligand oximation. <i>Chemical Communications</i> , 2009, , 6765.	4.1	163
32	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, 306-314.	3.5	153
33	Defect-Dicubane Ni <sub>2</sub> Ln <sub>2</sub> (Ln = Dy, Tb) Single Molecule Magnets. <i>Inorganic Chemistry</i> , 2011, 50, 11604-11611.	4.0	153
34	Self-Assembly of a Giant Tetrahedral $\infty$ -1D of Single-Molecule Magnet within a Polyoxometalate System. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15574-15578.	13.8	150
35	Heterometallic Cu <sup>I</sup> /Dy <sup>III</sup> 1D chiral polymers: chirogenesis and exchange coupling of toroidal moments in trinuclear Dy <sub>3</sub> single molecule magnets. <i>Chemical Science</i> , 2012, 3, 1169.	7.4	146
36	A novel mixed-ligand antimycobacterial dimeric copper complex of ciprofloxacin and phenanthroline. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 3027-3032.	2.2	141

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37	Solvothermal Synthesis of the Canted Antiferromagnet $\{K_2[CoO_3PCH_2N(CH_2CO_2)_2]\}_6 \cdot xH_2O$ . <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1088-1090.	13.8	140
38	An NCN-pincer ligand dysprosium single-ion magnet showing magnetic relaxation via the second excited state. <i>Scientific Reports</i> , 2014, 4, 5471.	3.3	138
39	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, 51-55.	2.2	137
40	The Trapping of Iron Hydroxide Units by the Ligand $\epsilon$ -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.	4.4	133
41	A Family of 3d-4f Octa-Nuclear $[Mn^{III}_4Ln^{III}_4]$ Wheels (Ln = Sm, Gd, Tb, Dy, Ho, Er, and Y): Synthesis, Structure, and Magnetism. <i>Inorganic Chemistry</i> , 2010, 49, 11587-11594.	4.0	130
42	Combined Magnetic Susceptibility Measurements and $^{57}Fe$ Mössbauer Spectroscopy on a Ferromagnetic $\{Fe^{III}_4Dy^{III}_4\}$ Ring. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5185-5188.	13.8	123
43	Electron Localization and Delocalization in Mixed-Valence Transition Metal Clusters: Structural and Spectroscopic Studies of Oxo-Centered Trinuclear Complexes $[Fe_3O(OOCCMe_3)_6(py)_3]^{+0}$ and $[Mn_3O(OOCCMe_3)_6(py)_3]^{+0}$ . <i>Inorganic Chemistry</i> , 1998, 37, 1913-1921.	4.0	121
44	Polymerisation of the Dysprosium Acetate Dimer Switches on Single-Chain Magnetism. <i>Chemistry - A European Journal</i> , 2009, 15, 12566-12570.	3.3	120
45	Dissimilatory Fe(III) reduction by <i>Clostridium beijerinckii</i> isolated from freshwater sediment using Fe(III) maltol enrichment. <i>FEMS Microbiology Letters</i> , 1999, 176, 131-138.	1.8	118
46	A series of new structural models for the OEC in photosystem II. <i>Chemical Communications</i> , 2006, , 2650-2652.	4.1	117
47	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, 3800-3808.	6.4	113
48	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, 9589-9597.	4.0	112
49	Zinkkomplexe von Aminosäuren und Peptiden, 2 <sup>[1]</sup> . <i>Koordination einfacher Histidinä-Derivate an Zink</i> . <i>Chemische Berichte</i> , 1993, 126, 2643-2648.	0.2	108
50	A Tetranuclear, Macrocyclic 3d <sup>4</sup> f Complex Showing Single-Molecule Magnet Behavior. <i>Inorganic Chemistry</i> , 2011, 50, 4232-4234.	4.0	108
51	Hydrothermal Synthesis of Microporous Transition Metal Squarates: Preparation and Structure of $[Co_3(\frac{1}{4}OH)_2(C_4O_4)_2] \cdot 3H_2O$ . <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 991-992.	4.4	105
52	Engineering coordination architecture by hydrothermal synthesis; preparation, X-ray crystal structure and magnetic behaviour of the coordination solid $[Mn_3\{C_6H_3(CO_2)_{3-1,3,5}\}_2]$ . <i>Chemical Communications</i> , 1996, , 823.	4.1	103
53	A Symmetry-Breaking Spin State Transition in Iron(III). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 896-900.	13.8	102
54	Iron(II) Formate $[Fe(O_2CH)_2] \cdot \frac{1}{3}HCO_2H$ : A Mesoporous Magnet $\hat{a}$ Solvothermal Syntheses and Crystal Structures of the Isomorphous Framework Metal(II) Formates $[M(O_2CH)_2] \cdot n(\text{Solvent})$ (M = Fe, Co, Ni, Tj) <small>ETQq0 0.0 rgBT / Overlock 10</small>		

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55	Magnetic and <sup>57</sup> Fe Mössbauer Study of the Single Molecule Magnet Behavior of a Dy <sub>3</sub> Fe <sub>7</sub> Coordination Cluster. <i>Inorganic Chemistry</i> , 2009, 48, 9345-9355.	4.0	96
56	Probing Lanthanide Anisotropy in Fe–Ln Aggregates by Using Magnetic Susceptibility Measurements and <sup>57</sup> Fe Mössbauer Spectroscopy. <i>Chemistry - A European Journal</i> , 2009, 15, 7278-7282.	3.3	95
57	The building block approach to extended solids: 3,5-pyrazoledicarboxylate coordination compounds of increasing dimensionality. <i>Dalton Transactions</i> , 2004, , 852-861.	3.3	94
58	Odd-Numbered FeIII Complexes: Synthesis, Molecular Structure, Reactivity, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2007, 46, 756-766.	4.0	94
59	Antiferromagnetic Three-Dimensional Order Induced by Carboxylate Bridges in a Two-Dimensional Network of [Cu <sub>3</sub> (dcp) <sub>2</sub> (H <sub>2</sub> O) <sub>4</sub> ] Trimers. <i>Inorganic Chemistry</i> , 2003, 42, 3492-3500.	4.0	92
60	Magnetothermal Studies of a Series of Coordination Clusters Built from Ferromagnetically Coupled {Mn <sup>II</sup> <sub>4</sub> Mn <sup>III</sup> <sub>6</sub> } Supertetrahedral Units. <i>Chemistry - A European Journal</i> , 2010, 16, 12865-12872.	3.3	92
61	Macroscopic Hexagonal Tubes of 3d–4f Metalloclusters. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15574-15578.	13.8	91
62	Molecular Magnets Containing Wheel Motifs. <i>Inorganic Chemistry</i> , 2009, 48, 3396-3407.	4.0	89
63	Synthesis, structures and magnetic properties of a series of 3d-4f tetranuclear CoII <sub>2</sub> LnIII <sub>2</sub> cubanes. <i>Dalton Transactions</i> , 2010, 39, 4911.	3.3	89
64	Structural phase transition and magnetic properties of layered organic–inorganic hybrid compounds: p-Haloanilinium tetrachlorocuparate(II). <i>Polyhedron</i> , 2011, 30, 1565-1570.	2.2	88
65	Structure and Magnetic Properties of a Giant Cu <sub>44</sub> Aggregate Which Packs with a Zeotypic Superstructure. <i>Inorganic Chemistry</i> , 2004, 43, 7269-7271.	4.0	87
66	Modelling the Magnetic Behaviour of Square–Pyramidal Co <sup>II</sup> <sub>5</sub> Aggregates: Tuning SMM Behaviour through Variations in the Ligand Shell. <i>Chemistry - A European Journal</i> , 2009, 15, 7413-7422.	3.3	87
67	Synthesis and magnetism of oxygen-bridged tetranuclear defect dicubane Co(II) and Ni(II) clusters. <i>Dalton Transactions</i> , 2004, , 2670-2676.	3.3	86
68	High spin cycles: topping the spin record for a single molecule verging on quantum criticality. <i>Npj Quantum Materials</i> , 2018, 3, .	5.2	86
69	Bifunctional Ligand Approach for Constructing 3d–4f Heterometallic Clusters. <i>Inorganic Chemistry</i> , 2007, 46, 7229-7231.	4.0	84
70	Heterometallic 20-membered {Fe <sub>16</sub> Ln <sub>4</sub> } (Ln = Sm, Eu, Gd, Tb, Dy, Ho) metallo-ring aggregates. <i>Dalton Transactions</i> , 2011, 40, 4080.	3.3	84
71	Family of Heterometallic Semicircular Mn <sup>III</sup> <sub>2</sub> Ln <sup>III</sup> <sub>3</sub> Strands. <i>Inorganic Chemistry</i> , 2009, 48, 3502-3504.	4.0	83
72	An Undecanuclear Fe <sup>III</sup> Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2010, 49, 1-3.	4.0	83

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73	Trigonal propeller-shaped [MnIII3MIIIna] complexes (M = Mn, Ca): structural and functional models for the dioxygen evolving centre of PSII. Dalton Transactions, 2011, 40, 2699.	3.3	83
74	Synthesis, Magnetism, and Electrochemistry of the Ni <sub>14</sub> - and Ni <sub>5</sub> -Containing Heteropolytungstates [Ni <sub>14</sub> (OH) <sub>6</sub> (H <sub>2</sub> O) <sub>10</sub> (HPO <sub>4</sub> ) <sub>4</sub> (P <sub>2</sub> W <sub>15</sub> and [Ni <sub>5</sub> (OH) <sub>4</sub> (H <sub>2</sub> O) <sub>4</sub> ( $\mu^2$ -GeW <sub>9</sub> O <sub>34</sub> )( $\mu^2$ -GeW <sub>8</sub> O <sub>30</sub> )]. Inorganic Chemistry, 2013, 52, 8399-8408.	4.0	83
75	Comparative X-ray and <sup>27</sup> Al NMR spectroscopic studies of the speciation of aluminum in aqueous systems: Al(III) complexes of N(CH <sub>2</sub> CO <sub>2</sub> H) <sub>2</sub> (CH <sub>2</sub> CH <sub>2</sub> OH). Journal of Inorganic Biochemistry, 1995, 59, 785-794.	3.5	82
76	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 <sub>3</sub> C <sub>6</sub> H <sub>2</sub> -2,4,6) <sub>2</sub> (L) (L = NC <sub>5</sub> H <sub>3</sub> Me <sub>2</sub> -2,6, PMePh <sub>2</sub> ), Zn(Se-t-Bu <sub>3</sub> C <sub>6</sub> H <sub>2</sub> -2,4,6) <sub>2</sub> (OSC <sub>4</sub> H <sub>8</sub> ) and Zn(S-t-Bu <sub>3</sub> C <sub>6</sub> H <sub>2</sub> -2,4,6) <sub>2</sub> (N-methylimidazole) <sub>2</sub> . Inorganic Chemistry, 1994, 33, 2290-2296.	4.0	81
77	Hierarchical Assembly of {Fe <sub>13</sub> } Oxygen-Bridged Clusters into a Close-Packed Superstructure. Angewandte Chemie - International Edition, 2005, 44, 6678-6682.	13.8	80
78	Structural Characterization of Artificial Self-Assembling Porphyrins That Mimic the Natural Chlorosomal Bacteriochlorophylls, d, and e. Chemistry - A European Journal, 2005, 11, 2267-2275.	3.3	80
79	Effect of Ligand Substitution on the Interaction Between Anisotropic Dy(III) Ions and <sup>57</sup> Fe Nuclei in Fe <sub>2</sub> Dy <sub>2</sub> Coordination Clusters. Journal of the American Chemical Society, 2011, 133, 15335-15337.	13.7	80
80	Enhancing single molecule magnet parameters. Synthesis, crystal structures and magnetic properties of mixed-valent Mn <sub>4</sub> SMMs. Journal of Materials Chemistry, 2006, 16, 2579-2586.	6.7	79
81	An approach to describing the topology of polynuclear clusters. Coordination Chemistry Reviews, 2009, 253, 2686-2697.	18.8	79
82	Monofunktionelle tetraedrische Zink-Komplexe L <sub>3</sub> ZnX [L <sub>3</sub> Tris(pyrazolyl)borat]. Chemische Berichte, 1993, 126, 685-694.	0.2	78
83	Structures and magnetic properties of MnIII <sub>4</sub> LnIII <sub>4</sub> aggregates with a square-in-square topology. Dalton Transactions, 2010, 39, 4918.	3.3	78
84	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. Dalton Transactions, 2011, 40, 11425.	3.3	76
85	CF <sub>x</sub> Derived Carbon-FeF <sub>2</sub> Nanocomposites for Reversible Lithium Storage. Advanced Energy Materials, 2013, 3, 308-313.	19.5	76
86	A switchable self-assembling and disassembling chiral system based on a porphyrin-substituted phenylalanine-phenylalanine motif. Nature Communications, 2016, 7, 12657.	12.8	75
87	Dinuclear iron(III)-metal(II) complexes as structural core models for purple acid phosphatases. Journal of the Chemical Society Dalton Transactions, 1997, , 4011-4018.	1.1	74
88	Coordination Chemistry of a $\pi$ -Extended, Rigid and Redox-Active Tetrathiafulvalene-Fused Schiff-Base Ligand. Inorganic Chemistry, 2008, 47, 3452-3459.	4.0	74
89	Family of Mn <sup>III</sup> <sub>2</sub> Ln <sub>2</sub> ( $\mu^4$ -O) Compounds: Syntheses, Structures, and Magnetic Properties. Inorganic Chemistry, 2010, 49, 5293-5302.	4.0	72
90	Solvothermal synthesis of [Cr <sub>10</sub> ( $\mu^4$ -O <sub>2</sub> CMe) <sub>10</sub> ( $\mu^4$ -OR) <sub>20</sub> ] chromic wheels™ with antiferromagnetic (R = Et) and ferromagnetic (R = Me) Cr(iii)-Cr(iii) interactions. Chemical Communications, 2001, , 89-90.	4.1	71



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91	Homo- and Heterovalent Polynuclear Cerium and Cerium/Manganese Aggregates. <i>Helvetica Chimica Acta</i> , 2009, 92, 2507-2524.	1.6	71
92	Tridecanuclear [Mn <sup>III</sup> <sub>5</sub> Ln <sup>III</sup> <sub>8</sub> ] Complexes Derived from N-t-butyl-diethanolamine: Synthesis, Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2009, 48, 6713-6723.	4.0	71
93	Ringing the changes in Fe <sup>III</sup> /Yb <sup>III</sup> cyclic coordination clusters. <i>Chemical Science</i> , 2013, 4, 4354.	7.4	71
94	Effect of Ligand Field Tuning on the SMM Behavior for Three Related Alkoxide-Bridged Dysprosium Dimers. <i>Inorganic Chemistry</i> , 2016, 55, 68-74.	4.0	70
95	Multitechnique investigation of Dy <sub>3</sub> – implications for coupled lanthanide clusters. <i>Chemical Science</i> , 2016, 7, 4347-4354.	7.4	70
96	Optical Detection of Spin Polarization in Single-Molecule Magnets [Mn <sub>12</sub> O <sub>12</sub> (O <sub>2</sub> CR) <sub>16</sub> (H <sub>2</sub> O) <sub>4</sub> ]. <i>Journal of the American Chemical Society</i> , 2002, 124, 9219-9228.	13.7	69
97	By Design: A Macrocyclic 3d <sup>4</sup> Single-Molecule Magnet with Quantifiable Zero-Field Slow Relaxation of Magnetization. <i>Inorganic Chemistry</i> , 2013, 52, 3236-3240.	4.0	69
98	Spin frustration and concealed asymmetry: structure and magnetic spectrum of [Fe <sub>3</sub> O(O <sub>2</sub> CPh) <sub>6</sub> (py) <sub>3</sub> ]ClO <sub>4</sub> ·py. <i>Dalton Transactions RSC</i> , 2001, , 862-866.	2.3	65
99	High-nuclearity 3d <sup>4</sup> [Fe <sup>III</sup> <sub>5</sub> Ln <sup>III</sup> <sub>8</sub> ] complexes: synthesis, structure and magnetic properties. <i>Dalton Transactions</i> , 2007, , 5245.	3.3	65
100	Hydrothermal synthesis, structure, stability and magnetism of Na <sub>2</sub> Co <sub>2</sub> (C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> (H <sub>2</sub> O) <sub>2</sub> : a new metal oxalate ladder. <i>Dalton Transactions RSC</i> , 2000, , 3566-3569.	2.3	64
101	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.	18.8	64
102	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.	2.0	64
103	Synthesis, structures and magnetic properties of heterometallic tetranuclear complexes. <i>Polyhedron</i> , 2009, 28, 1698-1703.	2.2	64
104	Spin-Canting and Metamagnetic Behavior in a New Species from the Hydrothermal Co(II)-trans-3-Pyridylacrylate System. <i>Inorganic Chemistry</i> , 2009, 48, 9205-9213.	4.0	64
105	Ferromagnetic interactions mediated by syn-anti carboxylate bridging in tetranuclear copper(II) compounds. <i>Inorganica Chimica Acta</i> , 2002, 337, 328-336.	2.4	63
106	Intra and Intermolecular Magnetic Interactions in a Series of Dinuclear Cu(II)/hxta Complexes {H <sub>5</sub> hxta = N,N'-(2-hydroxy-1,3-xyllylene)-bis-(N-carboxymethylglycine)}: Correlation of Magnetic Properties with Geometry. <i>Inorganic Chemistry</i> , 2004, 43, 5931-5943.	4.0	63
107	Observation of slow relaxation of the magnetization and hysteresis loop in an antiferromagnetic ordered phase of a 2D framework based on Co <sup>II</sup> magnetic chains. <i>Chemical Communications</i> , 2011, 47, 2859.	4.1	63
108	Highly Nonplanar, Electron Deficient, N-Substituted tetra-Oxocyclohexadienylidene Porphyrinogens: Structural, Computational, and Electrochemical Investigations. <i>Journal of Organic Chemistry</i> , 2004, 69, 5861-5869.	3.2	62

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110	Ferrimagnetic [Co <sub>13</sub> ( <sup>1</sup> / <sub>4</sub> 3-OH) <sub>2</sub> (RCO <sub>2</sub> ) <sub>4</sub> ] chains embedded in a laminar hybrid material exhibiting single-chain magnet behaviour. <i>Dalton Transactions</i> , 2009, , 1897.	3.3	61
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226	Umwandlung der Cluster Fe <sub>3</sub> (CO) <sub>9</sub> ( $\mu_3$ ) <sup>2+</sup> – N <sub>2</sub> Et <sub>2</sub> und Fe <sub>3</sub> (CO) <sub>9</sub> ( $\mu_3$ ) <sup>2+</sup> – N <sub>2</sub> Et <sub>2</sub> zu organischen Produkten	0.2	31
227	Modelling calcium carbonate biomineralisation processes. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1128-1138.	3.5	31
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229	Magnetic properties of five planar defect dicubanes of [LnIII <sub>4</sub> ( $\mu_3$ -OH) <sub>2</sub> (L) <sub>4</sub> (HL) <sub>2</sub> ] $\cdot$ 2THF (Ln=Gd, Tb, Dy, Ho) Tj ETO <sub>g</sub> 1 1 0.784314 r <sub>g</sub> 2.2 31	2.2	31
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