Nicholas F Chilton

List of Publications by Year
in descending order

137	11,867	41258	28224
papers	citations	49 h-index	105 g-index

143	143	143	5598
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PHI: A powerful new program for the analysis of anisotropic monomeric and exchangeâ€coupled polynuclear dâ€and fâ€block complexes. Journal of Computational Chemistry, 2013, 34, 1164-1175.	1.5	1,583
2	Molecular magnetic hysteresis at 60 kelvin in dysprosocenium. Nature, 2017, 548, 439-442.	13.7	1,450
3	On Approaching the Limit of Molecular Magnetic Anisotropy: A Nearâ€Perfect Pentagonal Bipyramidal Dysprosium(III) Singleâ€Molecule Magnet. Angewandte Chemie - International Edition, 2016, 55, 16071-16074.	7.2	778
4	An electrostatic model for the determination of magnetic anisotropy in dysprosium complexes. Nature Communications, 2013, 4, 2551.	5.8	520
5	A {Cr^{III}₂Dy^{III}₂} Singleâ€Molecule Magnet: Enhancing the Blocking Temperature through 3d Magnetic Exchange. Angewandte Chemie - International Edition, 2013, 52, 12014-12019.	7.2	338
6	A monometallic lanthanide bis(methanediide) single molecule magnet with a large energy barrier and complex spin relaxation behaviour. Chemical Science, 2016, 7, 155-165.	3.7	300
7	Ultrahard magnetism from mixed-valence dilanthanide complexes with metal-metal bonding. Science, 2022, 375, 198-202.	6.0	246
8	The first near-linear bis(amide) f-block complex: a blueprint for a high temperature single molecule magnet. Chemical Communications, 2015, 51, 101-103.	2.2	236
9	Direct measurement of dysprosium(III)Ë™Ë™Ë™dysprosium(III) interactions in a single-molecule magnet. Nature Communications, 2014, 5, 5243.	5.8	223
10	Design Criteria for High-Temperature Single-Molecule Magnets. Inorganic Chemistry, 2015, 54, 2097-2099.	1.9	211
11	Single molecule magnetism in a family of mononuclear Î²-diketonate lanthanide(iii) complexes: rationalization of magnetic anisotropy in complexes of low symmetry. Chemical Science, 2013, 4, 1719.	3.7	204
12	Uncertainty estimates for magnetic relaxation times and magnetic relaxation parameters. Physical Chemistry Chemical Physics, 2019, 21, 23567-23575.	1.3	200
13	Molecular coolers: The case for [CuII5GdIII4]. Chemical Science, 2011, 2, 1166.	3.7	197
14	Field- and temperature-dependent quantum tunnelling of the magnetisation in a large barrier single-molecule magnet. Nature Communications, 2018, 9, 3134.	5.8	170
15	A Lowâ€Symmetry Dysprosium Metallocene Singleâ€Molecule Magnet with a High Anisotropy Barrier. Angewandte Chemie - International Edition, 2016, 55, 11082-11085.	7.2	162
16	Heterometallic Tetranuclear [Ln^{III}₂Co^{III}₂] Complexes Including Suppression of Quantum Tunneling of Magnetization in the [Dy^{III}₂Co^{III}₂] Single Molecule Magnet. Inorganic Chemistry, 2012, 51, 11873-11881.	1.9	154
17	Modulation of slow magnetic relaxation by tuning magnetic exchange in {Cr₂Dy₂} single molecule magnets. Chemical Science, 2014, 5, 3246-3256.	3.7	127
18	Bis-Monophospholyl Dysprosium Cation Showing Magnetic Hysteresis at 48 K. Journal of the American Chemical Society, 2019, 141, 19935-19940.	6.6	123

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19	On Approaching the Limit of Molecular Magnetic Anisotropy: A Nearâ€Perfect Pentagonal Bipyramidal Dysprosium(III) Singleâ€Molecule Magnet. Angewandte Chemie, 2016, 128, 16305-16308.	1.6	121
20	Structure, Magnetism and Theory of a Family of Nonanuclear Cu^{II}₅Ln^{III}₄â€“Triethanolamine Clusters Displaying Singleâ€Molecule Magnet Behaviour. Chemistry - A European Journal, 2011, 17, 9209-9218.	1.7	114
21	Synthesis and Electronic Structures of Heavy Lanthanide Metallocenium Cations. Journal of the American Chemical Society, 2017, 139, 18714-18724.	6.6	111
22	Ab Initio Prediction of High-Temperature Magnetic Relaxation Rates in Single-Molecule Magnets. Journal of the American Chemical Society, 2021, 143, 5943-5950.	6.6	110
23	How the Ligand Field in Lanthanide Coordination Complexes Determines Magnetic Susceptibility Anisotropy, Paramagnetic NMR Shift, and Relaxation Behavior. Accounts of Chemical Research, 2020, 53, 1520-1534.	7.6	109
24	A Study of Magnetic Relaxation in Dysprosium(III) Singleâ€Molecule Magnets. Chemistry - A European Journal, 2020, 26, 5893-5902.	1.7	108
25	Systematic Study of a Family of Butterfly-Like {M₂Ln₂} Molecular Magnets (M) Tj ETQq1 1 0.784314 rgBT	1.9	107
26	Enhancing Magnetic Hysteresis in Single-Molecule Magnets by Ligand Functionalization. CheM, 2020, 6, 1777-1793.	5.8	103
27	Single-Molecule Magnetism in Three Related {Co^{III}₂Dy^{III}₂}-Acetylacetonate Complexes with Multiple Relaxation Mechanisms. Inorganic Chemistry, 2013, 52, 7183-7192.	1.9	100
28	Understanding magnetic relaxation in single-ion magnets with high blocking temperature. Physical Review B, 2020, 101, .	1.1	94
29	Dispersion Force Stabilized Two-Coordinate Transition Metalâ€“Amido Complexes of the â^'N(SiMe₃)Dipp (Dipp = C₆H₃-2,6-Prⁱ₂) Ligand: Structural, Spectroscopic, Magnetic, and Computational Studies. Inorganic Chemistry, 2013, 52, 13584-13593.	1.9	92
30	Correlating blocking temperatures with relaxation mechanisms in monometallic single-molecule magnets with high energy barriers (U_{eff} > 600 K). Chemical Communications, 2019, 55, 7025-7028.	2.2	90
31	Anisotropy barrier enhancement via ligand substitution in tetranuclear {CoIII2LnIII2} single molecule magnets. Chemical Communications, 2013, 49, 6965.	2.2	88
32	Single-Molecule Magnetism in a Family of {Co^{III}₂Dy^{III}₂} Butterfly Complexes: Effects of Ligand Replacement on the Dynamics of Magnetic Relaxation. Inorganic Chemistry, 2014, 53, 4303-4315.	1.9	88
33	Molecular and electronic structure of terminal and alkali metal-capped uranium(V) nitride complexes. Nature Communications, 2016, 7, 13773.	5.8	82
34	Antimony-ligated dysprosium single-molecule magnets as catalysts for stibine dehydrocoupling. Chemical Science, 2017, 8, 2073-2080.	3.7	77
35	Measurement of Magnetic Exchange in Asymmetric Lanthanide Dimetallics: Toward a Transferable Theoretical Framework. Journal of the American Chemical Society, 2018, 140, 2504-2513.	6.6	73
36	Synthesis, structural and magnetic studies of an isostructural family of mixed 3d/4f tetranuclear â€˜starâ€™ clusters. Chemical Communications, 2010, 46, 7787.	2.2	72

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37	Planar tetranuclear lanthanide clusters with the Dy4 analogue displaying slow magnetic relaxation. Dalton Transactions, 2011, 40, 12656.	1.6	71
38	Studies of hysteresis and quantum tunnelling of the magnetisation in dysprosium(<scp>iii</scp>) single molecule magnets. Dalton Transactions, 2019, 48, 8541-8545.	1.6	71
39	Physicochemical Properties of Near-Linear Lanthanide(II) Bis(silylamide) Complexes (Ln = Sm, Eu, Tm, Yb). Inorganic Chemistry, 2016, 55, 10057-10067.	1.9	66
40	Engineering electronic structure to prolong relaxation times in molecular qubits by minimising orbital angular momentum. Nature Communications, 2019, 10, 3330.	5.8	64
41	A {Cr^{III}₂Dy^{III}₂} Singleâ€Molecule Magnet: Enhancing the Blocking Temperature through 3d Magnetic Exchange. Angewandte Chemie, 2013, 125, 12236-12241.	1.6	63
42	Opening Magnetic Hysteresis by Axial Ferromagnetic Coupling: From Monoâ€Decker to Doubleâ€Decker Metallacrown. Angewandte Chemie - International Edition, 2021, 60, 5299-5306.	7.2	62
43	Observation of Ferromagnetic Exchange, Spin Crossover, Reductively Induced Oxidation, and Field-Induced Slow Magnetic Relaxation in Monomeric Cobalt Nitroxides. Inorganic Chemistry, 2013, 52, 7557-7572.	1.9	61
44	Tetranuclear Zn/4f coordination clusters as highly efficient catalysts for Friedelâ€“Crafts alkylation. Chemical Communications, 2016, 52, 7866-7869.	2.2	59
45	Theoretical Studies on Polynuclear {Cu^{II}₅Gd^{III}_n} Clusters (n = 4, 2): Towards Understanding Their Large Magnetocaloric Effect. Inorganic Chemistry, 2015, 54, 1661-1670.	1.9	57
46	Partial spin crossover behaviour in a dinuclear iron(ii) triple helicate. Dalton Transactions, 2011, 40, 12368.	1.6	55
47	Rationalization of Anomalous Pseudocontact Shifts and Their Solvent Dependence in a Series ofC₃-Symmetric Lanthanide Complexes. Journal of the American Chemical Society, 2017, 139, 14166-14172.	6.6	55
48	Unprecedented hexagonal bipyramidal single-ion magnets based on metallacrowns. Chemical Communications, 2016, 52, 13365-13368.	2.2	54
49	Strong Exchange Coupling in a Trimetallic Radicalâ€Bridged Cobalt(II)â€Hexaazatrinaphthylene Complex. Angewandte Chemie - International Edition, 2016, 55, 5521-5525.	7.2	53
50	Spectroscopic and Crystal Field Consequences of Fluoride Binding by [Ybâ‹…DTMA]³⁺ in Aqueous Solution. Angewandte Chemie - International Edition, 2015, 54, 10783-10786.	7.2	52
51	Postâ€Synthetic Monovalent Centralâ€Metal Exchange, Specific I₂â€…Sensing, and Polymerization of a Catalytic [3Ã—3] Grid of [Cu^{II}₅Cu^I₄L₆]â‹…(I)₂â‹…13â€‰H₂O. Chemistry - A European Journal, 2013, 19, 6321-6328.	1.7	49
52	Cu(II) Coordination Polymers as Vehicles in the A³ Coupling. Inorganic Chemistry, 2017, 56, 4898-4910.	1.9	49
53	A high nuclearity mixed valence {Mn32} complex. Chemical Communications, 2011, 47, 6281.	2.2	47
54	Fast magnetic relaxation in an octahedral dysprosium tetramethyl-aluminate complex. Dalton Transactions, 2014, 43, 3035-3038.	1.6	47

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55	A Family of {CrIII2LnIII2} Butterfly Complexes: Effect of the Lanthanide Ion on the Single-Molecule Magnet Properties. Inorganic Chemistry, 2015, 54, 10497-10503.	1.9	44
56	Synthesis and characterization of homo- and heterovalent tetra- hexa- hepta- and decanuclear manganese clusters using pyridyl functionalized Î²-diketone, carboxylate and triethanolamine ligands. Dalton Transactions, 2010, 39, 7236.	1.6	43
57	A dichlorido-bridged dinuclear Dy(<scp>iii</scp>) single-molecule magnet with an effective energy barrier larger than 600 K. Chemical Communications, 2019, 55, 7930-7933.	2.2	43
58	Assessing crystal field and magnetic interactions in diuranium-Î¼-chalcogenide triamidoamine complexes with U^{IV}â€“Eâ€“U^{IV} cores (E = S, Se, Te): implications for determining the presence or absence of actinideâ€“actinide magnetic exchange. Chemical Science, 2017, 8, 6207-6217.	3.7	42
59	Structure, Magnetic Behavior, and Anisotropy of Homoleptic Trinuclear Lanthanoid 8-Quinolinolate Complexes. Inorganic Chemistry, 2014, 53, 2528-2534.	1.9	41
60	Lanthanide-induced relaxation anisotropy. Physical Chemistry Chemical Physics, 2018, 20, 17676-17686.	1.3	41
61	Exchangeâ€Biasing in a Dinuclear Dysprosium(III) Singleâ€Molecule Magnet with a Large Energy Barrier for Magnetisation Reversal. Chemistry - A European Journal, 2020, 26, 6773-6777.	1.7	41
62	Single molecule magnetism in a Î¼-phenolato dinuclear lanthanide motif ligated by heptadentate Schiff base ligands. Dalton Transactions, 2012, 41, 13711.	1.6	40
63	Rareâ€Earthâ€and Uraniumâ€Mesoionic Carbenes: A New Class of fâ€Block Carbene Complex Derived from an Nâ€Heterocyclic Olefin. Angewandte Chemie - International Edition, 2017, 56, 11534-11538.	7.2	39
64	Isolation and electronic structures of derivatized manganocene, ferrocene and cobaltocene anions. Nature Chemistry, 2021, 13, 243-248.	6.6	39
65	Organometallic lanthanide bismuth cluster single-molecule magnets. CheM, 2022, 8, 717-730.	5.8	39
66	Investigation into the Effects of a Trigonal-Planar Ligand Field on the Electronic Properties of Lanthanide(II) Tris(silylamide) Complexes (Ln = Sm, Eu, Tm, Yb). Inorganic Chemistry, 2017, 56, 5959-5970.	1.9	38
67	Molecular Magnetism. Annual Review of Materials Research, 2022, 52, 79-101.	4.3	38
68	Single-molecule magnetism in {CoIII2DyIII2}-amine-polyalcohol-acetylacetonate complexes: effects of ligand replacement at the Dy^{III} sites on the dynamics of magnetic relaxation. Inorganic Chemistry Frontiers, 2015, 2, 867-875.	3.0	37
69	Evidence of Slow Magnetic Relaxation in Co(AcO)2(py)2(H2O)2. Magnetochemistry, 2016, 2, 23.	1.0	36
70	LnIII2MnIII2 heterobimetallic â€œbutterflyâ€•complexes displaying antiferromagnetic coupling (Ln = Eu, Gd,) Tj ETQq0 0 0 rgBT /Overloc	1.6	35
71	A Lowâ€Symmetry Dysprosium Metallocene Singleâ€Molecule Magnet with a High Anisotropy Barrier. Angewandte Chemie, 2016, 128, 11248-11251.	1.6	35
72	A Cost-Effective Semi-Ab Initio Approach to Model Relaxation in Rare-Earth Single-Molecule Magnets. Journal of Physical Chemistry Letters, 2021, 12, 8826-8832.	2.1	35

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73	A large barrier single-molecule magnet without magnetic memory. Dalton Transactions, 2019, 48, 10795-10798.	1.6	34
74	Practical and Selective sp³Câ˜H Bond Chlorination via Aminium Radicals. Angewandte Chemie - International Edition, 2021, 60, 7132-7139.	7.2	34
75	Analysis of vibronic coupling in a 4f molecular magnet with FIRMS. Nature Communications, 2022, 13, 825.	5.8	34
76	On the Possibility of Magneto-Structural Correlations: Detailed Studies of Dinickel Carboxylate Complexes. Inorganic Chemistry, 2014, 53, 8464-8472.	1.9	32
77	Exquisite sensitivity of the ligand field to solvation and donor polarisability in coordinatively saturated lanthanide complexes. Chemical Communications, 2018, 54, 8486-8489.	2.2	32
78	The first 4d/4f single-molecule magnet containing a {Ru^{III}₂Dy^{III}₂} core. Chemical Communications, 2015, 51, 2044-2047.	2.2	30
79	Analysis of Lanthanide-Radical Magnetic Interactions in Ce(III) 2,2â€²-Bipyridyl Complexes. Inorganic Chemistry, 2017, 56, 2496-2505.	1.9	30
80	The performance of density functional theory for the description of ground and excited state properties of inorganic and organometallic uranium compounds. Journal of Organometallic Chemistry, 2018, 857, 58-74.	0.8	30
81	Terbocenium: completing a heavy lanthanide metallocenium cation family with an alternative anion abstraction strategy. Chemical Communications, 2018, 54, 9182-9185.	2.2	30
82	Coordination polymers from a highly flexible alkyldiamine-derived ligand: structure, magnetism and gas adsorption studies. Dalton Transactions, 2015, 44, 17494-17507.	1.6	29
83	Light Lanthanide Metallocenium Cations Exhibiting Weak Equatorial Anion Interactions. Chemistry - A European Journal, 2019, 25, 7749-7758.	1.7	29
84	Probing Relaxation Dynamics in Fiveâ€Coordinate Dysprosium Singleâ€Molecule Magnets. Chemistry - A European Journal, 2020, 26, 7774-7778.	1.7	29
85	Spin Crossover in a 3,5â€Bis(2â€pyridyl)â€1,2,4â€triazolateâ€Bridged Dinuclear Iron(II) Complex [{Fe(NCBH₃)(py)}₂(Î¼â€L¹)₂] â€“ Powder versus Single Crystal Study. European Journal of Inorganic Chemistry, 2013, 2013, 850-864.	1.0	28
86	Self-assembled decanuclear NaI2MnII4MnIII4 complexes: from discrete clusters to 1-D and 2-D structures, with the MnII4MnIII4 unit displaying a large spin ground state and probable SMM behaviour. Dalton Transactions, 2011, 40, 12201.	1.6	27
87	Crown-linked dipyridylamino-triazine ligands and their spin-crossover iron(ii) derivatives: magnetism, photomagnetism and cooperativity. Dalton Transactions, 2013, 42, 16494.	1.6	27
88	The acid test: the chemistry of carboxylic acid functionalised {Cr7Ni} rings. Chemical Science, 2014, 5, 235-239.	3.7	26
89	Measuring Spinâ‹…â‹…â‹…Spin Interactions between Heterospins in a Hybrid [2]Rotaxane. Angewandte Chemie - International Edition, 2017, 56, 3876-3879.	7.2	26
90	A double-dysprosocenium single-molecule magnet bound together with neutral ligands. Chemical Communications, 2020, 56, 5677-5680.	2.2	26

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91	Electronic structures of bent lanthanide(III) complexes with two N-donor ligands. Chemical Science, 2019, 10, 10493-10502.	3.7	25
92	Structure and magnetic exchange in heterometallic 3dâ€“3d transition metal triethanolamine clusters. Dalton Transactions, 2012, 41, 1033-1046.	1.6	24
93	Three-Coordinate Iron(II) Expanded Ring N-Heterocyclic Carbene Complexes. Organometallics, 2016, 35, 1098-1106.	1.1	24
94	Slow magnetic relaxation in a {EuCu₅} metallacrown. Dalton Transactions, 2019, 48, 1686-1692.	1.6	24
95	Correlating axial and equatorial ligand field effects to the single-molecule magnet performances of a family of dysprosium bis-methanediide complexes. Chemical Science, 2021, 12, 3911-3920.	3.7	24
96	Strong Exchange Coupling in a Trimetallic Radicalâ€Bridged Cobalt(II)â€Hexaazatrinaphthylene Complex. Angewandte Chemie, 2016, 128, 5611-5615.	1.6	23
97	A perfect triangular dysprosium single-molecule magnet with virtually antiparallel Ising-like anisotropy. Inorganic Chemistry Frontiers, 2020, 7, 2941-2948.	3.0	23
98	Large Zeroâ€Field Splittings of the Ground Spin State Arising from Antisymmetric Exchange Effects in Heterometallic Triangles. Angewandte Chemie - International Edition, 2014, 53, 5310-5313.	7.2	22
99	Molecules Designed to Contain Two Weakly Coupled Spins with a Photoswitchable Spacer. Chemistry - A European Journal, 2017, 23, 13648-13659.	1.7	22
100	Anomalous magnetism of uranium(IV)-oxo and -imido complexes reveals unusual doubly degenerate electronic ground states. CheM, 2021, 7, 1666-1680.	5.8	22
101	Unusual oxidation state distributions observed for two mixed-valence heptanuclear manganese disc-like clusters. Dalton Transactions, 2012, 41, 9789.	1.6	18
102	Salts of the two-coordinate homoleptic manganese(<scp>i</scp>) dialkyl anion [Mn{C(SiMe₃)₃}₂]^{â^'} with quenched orbital magnetism. Chemical Communications, 2015, 51, 13275-13278.	2.2	18
103	[MIII2MII3]ⁿ⁺ trigonal bipyramidal cages based on diamagnetic and paramagnetic metalloligands. Chemical Science, 2017, 8, 5526-5535.	3.7	18
104	Metallacrowns as Templates for Diaboloâ€like {LnCu₈} Complexes with Nearly Perfect Square Antiprismatic Geometry. Chemistry - A European Journal, 2017, 23, 15617-15622.	1.7	18
105	Magnetic properties of octa- and heptadeca-nuclear heterometallic CoIIâ€“LnIII complexes derived from the ligand 6-chloro-2-hydroxypyridine. Polyhedron, 2013, 66, 48-55.	1.0	17
106	Molecular and electronic structures of donor-functionalized dysprosium pentadienyl complexes. Dalton Transactions, 2015, 44, 7109-7113.	1.6	17
107	Modular [Fe^{III}₈M^{II}₆]ⁿ⁺ (M^{II} = Pd, Co, Ni, Cu) Coordination Cages. Inorganic Chemistry, 2018, 57, 3500-3506.	1.9	17
108	Insights into D_{4h}@metal-symmetry single-molecule magnetism: the case of a dysprosium-bis(boryloxide) complex. Chemical Communications, 2021, 57, 733-736.	2.2	17

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109	Iron(II) Complexes of Two Amine/Imine N5Chelate Ligands Containing a 1,4-Diazepane Core - To Crossover or Not To Crossover. European Journal of Inorganic Chemistry, 2013, 2013, 958-967.	1.0	16
110	Spectroscopic and Crystal Field Consequences of Fluoride Binding by [Ybâ‹…DTMA]³⁺ in Aqueous Solution. Angewandte Chemie, 2015, 127, 10933-10936.	1.6	16
111	Unravelling the Complexities of Pseudocontact Shift Analysis in Lanthanide Coordination Complexes of Differing Symmetry. Angewandte Chemie - International Edition, 2019, 58, 10290-10294.	7.2	16
112	Sensitivity of Magnetic Anisotropy in the Solid State for Lanthanide Complexes with Small Crystal Field Splitting. Inorganic Chemistry, 2019, 58, 5733-5745.	1.9	15
113	Redox and acidâ€“base properties of asymmetric non-heme (hydr)oxo-bridged diiron complexes. Dalton Transactions, 2014, 43, 9740-9753.	1.6	14
114	Ligand field influence on the electronic and magnetic properties of quasi-linear two-coordinate iron(<scp>ii</scp>) complexes. Dalton Transactions, 2015, 44, 11202-11211.	1.6	13
115	Exploring the Coordination Capabilities of a Family of Flexible Benzotriazole-Based Ligands Using Cobalt(II) Sources. Crystal Growth and Design, 2017, 17, 2718-2729.	1.4	13
116	Periodic trends and hidden dynamics of magnetic properties in three series of triazacyclononane lanthanide complexes. Dalton Transactions, 2019, 48, 8400-8409.	1.6	13
117	Studies of the Temperature Dependence of the Structure and Magnetism of a Hexagonal-Bipyramidal Dysprosium(III) Single-Molecule Magnet. Inorganic Chemistry, 2022, 61, 227-235.	1.9	13
118	Trinuclear and tetranuclear manganese clusters derived from cyano(imino(methoxy)methyl)nitrosomethanide (cmnm). Polyhedron, 2013, 52, 797-803.	1.0	12
119	Magnetic exchange interactions in symmetric lanthanide dimetallics. Inorganic Chemistry Frontiers, 2020, 7, 3909-3918.	3.0	12
120	Di- and Tetranuclear Complexes of Bis-Tetradentate Pyrimidine-Based Ligands with All-Methylene- Versus Mixed Methylene/Ethylene-Linked Arms. European Journal of Inorganic Chemistry, 2013, 2013, 4485-4498.	1.0	11
121	Synthesis, structural and magnetic characterisation of iron(ii/iii), cobalt(ii) and copper(ii) cluster complexes of the polytopic ligand: N-(2-pyridyl)-3-carboxypropanamide. Dalton Transactions, 2013, 42, 13576.	1.6	9
122	Rareâ€Earthâ€and Uraniumâ€Mesoionic Carbenes: A New Class of fâ€Block Carbene Complex Derived from an Nâ€Heterocyclic Olefin. Angewandte Chemie, 2017, 129, 11692-11696.	1.6	9
123	Magnetic Properties and Second Harmonic Generation of Noncentrosymmetric Cyanido-Bridged Ln(III)â€“W(V) Assemblies. Inorganic Chemistry, 2021, 60, 12009-12019.	1.9	9
124	Structure and magnetism of a mixed-valence octanuclear manganese(<scp>ii</scp>/<scp>iii</scp>) cluster derived from carbamoylcyanonitrosomethanide (ccnm). Dalton Transactions, 2013, 42, 1400-1405.	1.6	8
125	Opening Magnetic Hysteresis by Axial Ferromagnetic Coupling: From Monoâ€Decker to Doubleâ€Decker Metallacrown. Angewandte Chemie, 2021, 133, 5359-5366.	1.6	8
126	Measuring Spinâ‹…â‹…â‹…Spin Interactions between Heterospins in a Hybrid [2]Rotaxane. Angewandte Chemie, 2017, 129, 3934-3937.	1.6	7

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127	Unravelling the Complexities of Pseudocontact Shift Analysis in Lanthanide Coordination Complexes of Differing Symmetry. Angewandte Chemie, 2019, 131, 10396-10400.	1.6	7
128	Iron Precatalysts with Bulky Tri(tert â€butyl)cyclopentadienyl Ligands for the Dehydrocoupling of Dimethylamineâ€Borane. Chemistry - A European Journal, 2018, 24, 14127-14136.	1.7	6
129	<scp>Hyperion</scp>: A New Computational Tool for Relativistic Ab Initio Hyperfine Coupling. Journal of Chemical Theory and Computation, 2022, 18, 4719-4732.	2.3	6
130	Self-assembly of a mixed-valence FeIIâ€“FeIII tetranuclear star. Dalton Transactions, 2018, 47, 7118-7122.	1.6	4
131	Assessment of minimal active space CASSCF-SO methods for calculation of atomic Slaterâ€“Condon and spinâ€“orbit coupling parameters in d- and f-block ions. Dalton Transactions, 2021, 50, 14130-14138.	1.6	3
132	Extraction of â€œhiddenâ€•relaxation times from AC susceptibility data. Chemistry Squared, 0, 4, 3.	0.0	3
133	Single Isomer Heterometallic {Cr^{III}₆M^{II}₂} Rings Templated by Tetramethylammonium. Inorganic Chemistry, 2021, 60, 15675-15685.	1.9	2
134	Practical and Selective sp³Câ^'H Bond Chlorination via Aminium Radicals. Angewandte Chemie, 2021, 133, 7208-7215.	1.6	1
135	[CrIII8NiII6]n+ Heterometallic Coordination Cubes. Molecules, 2021, 26, 757.	1.7	1
136	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.	1.6	0
137	InnenrÃ¼cktitelbild: Strong Exchange Coupling in a Trimetallic Radicalâ€Bridged Cobalt(II)â€Hexaazatrinaphthylene Complex (Angew. Chem. 18/2016). Angewandte Chemie, 2016, 128, 5701-5701.	1.6	0