

Nicholas F Chilton

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137
papers

8,862
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43
h-index

92
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143
ext. papers

10,437
ext. citations

7.7
avg, IF

6.67
L-index

#	Paper	IF	Citations
137	PHI: a powerful new program for the analysis of anisotropic monomeric and exchange-coupled polynuclear d- and f-block complexes. <i>Journal of Computational Chemistry</i> , 2013 , 34, 1164-75	3.5	1206
136	Molecular magnetic hysteresis at 60 kelvin in dysprosocenium. <i>Nature</i> , 2017 , 548, 439-442	50.4	1061
135	On Approaching the Limit of Molecular Magnetic Anisotropy: A Near-Perfect Pentagonal Bipyramidal Dysprosium(III) Single-Molecule Magnet. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 16071-16074	16.4	616
134	An electrostatic model for the determination of magnetic anisotropy in dysprosium complexes. <i>Nature Communications</i> , 2013 , 4, 2551	17.4	438
133	A {Cr(III)Dy(III)} single-molecule magnet: enhancing the blocking temperature through 3d magnetic exchange. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12014-9	16.4	289
132	A monometallic lanthanide bis(methanediide) single molecule magnet with a large energy barrier and complex spin relaxation behaviour. <i>Chemical Science</i> , 2016 , 7, 155-165	9.4	264
131	The first near-linear bis(amide) f-block complex: a blueprint for a high temperature single molecule magnet. <i>Chemical Communications</i> , 2015 , 51, 101-3	5.8	191
130	Direct measurement of dysprosium(III)⋯dysprosium(III) interactions in a single-molecule magnet. <i>Nature Communications</i> , 2014 , 5, 5243	17.4	190
129	Molecular coolers: The case for [CuII5GdIII4]. <i>Chemical Science</i> , 2011 , 2, 1166	9.4	190
128	Single molecule magnetism in a family of mononuclear β -diketonate lanthanide(III) complexes: rationalization of magnetic anisotropy in complexes of low symmetry. <i>Chemical Science</i> , 2013 , 4, 1719	9.4	185
127	Design criteria for high-temperature single-molecule magnets. <i>Inorganic Chemistry</i> , 2015 , 54, 2097-9	5.1	165
126	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. <i>Inorganic Chemistry</i> , 2012 , 51, 11873-81	5.1	143
125	A Low-Symmetry Dysprosium Metallocene Single-Molecule Magnet with a High Anisotropy Barrier. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11082-5	16.4	135
124	Field- and temperature-dependent quantum tunnelling of the magnetisation in a large barrier single-molecule magnet. <i>Nature Communications</i> , 2018 , 9, 3134	17.4	120
123	Modulation of slow magnetic relaxation by tuning magnetic exchange in {Cr2Dy2} single molecule magnets. <i>Chemical Science</i> , 2014 , 5, 3246-3256	9.4	111
122	Uncertainty estimates for magnetic relaxation times and magnetic relaxation parameters. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 23567-23575	3.6	108
121	Structure, magnetism and theory of a family of nonanuclear Cu(II)5Ln(III)4-triethanolamine clusters displaying single-molecule magnet behaviour. <i>Chemistry - A European Journal</i> , 2011 , 17, 9209-18	4.8	105

120	On Approaching the Limit of Molecular Magnetic Anisotropy: A Near-Perfect Pentagonal Bipyramidal Dysprosium(III) Single-Molecule Magnet. <i>Angewandte Chemie</i> , 2016 , 128, 16305-16308	3.6	102
119	Systematic Study of a Family of Butterfly-Like $\{M_2Ln_2\}$ 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> , 2015 , 54, 5930-41	5.1	87
118	Single-molecule magnetism in three related $\{Co(III)_2Dy(III)_2\}$ -acetylacetonate complexes with multiple relaxation mechanisms. <i>Inorganic Chemistry</i> , 2013 , 52, 7183-92	5.1	86
117	Dispersion force stabilized two-coordinate transition metal-amido complexes of the -N(SiMe ₃)Dipp (Dipp = C ₆ H ₃ -2,6-Pr(i) ₂) ligand: structural, spectroscopic, magnetic, and computational studies. <i>Inorganic Chemistry</i> , 2013 , 52, 13584-93	5.1	80
116	Single-molecule magnetism in a family of $\{Co(III)_2Dy(III)_2\}$ butterfly complexes: effects of ligand replacement on the dynamics of magnetic relaxation. <i>Inorganic Chemistry</i> , 2014 , 53, 4303-15	5.1	78
115	Anisotropy barrier enhancement via ligand substitution in tetranuclear $\{Co(III)_2Ln(III)_2\}$ single molecule magnets. <i>Chemical Communications</i> , 2013 , 49, 6965-7	5.8	77
114	Synthesis and Electronic Structures of Heavy Lanthanide Metallocenium Cations. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18714-18724	16.4	76
113	Synthesis, structural and magnetic studies of an isostructural family of mixed 3d/4f tetranuclear 'star' clusters. <i>Chemical Communications</i> , 2010 , 46, 7787-9	5.8	68
112	Correlating blocking temperatures with relaxation mechanisms in monometallic single-molecule magnets with high energy barriers (U > 600 K). <i>Chemical Communications</i> , 2019 , 55, 7025-7028	5.8	66
111	Bis-Monophospholyl Dysprosium Cation Showing Magnetic Hysteresis at 48 K. <i>Journal of the American Chemical Society</i> , 2019 , 141, 19935-19940	16.4	66
110	Planar tetranuclear lanthanide clusters with the Dy ₄ analogue displaying slow magnetic relaxation. <i>Dalton Transactions</i> , 2011 , 40, 12656-9	4.3	65
109	Molecular and electronic structure of terminal and alkali metal-capped uranium(V) nitride complexes. <i>Nature Communications</i> , 2016 , 7, 13773	17.4	63
108	Antimony-ligated dysprosium single-molecule magnets as catalysts for stibine dehydrocoupling. <i>Chemical Science</i> , 2017 , 8, 2073-2080	9.4	61
107	A $\{Cr(III)_2Dy(III)_2\}$ Single-Molecule Magnet: Enhancing the Blocking Temperature through 3d Magnetic Exchange. <i>Angewandte Chemie</i> , 2013 , 125, 12236-12241	3.6	61
106	A Study of Magnetic Relaxation in Dysprosium(III) Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2020 , 26, 5893-5902	4.8	60
105	Measurement of Magnetic Exchange in Asymmetric Lanthanide Dimetallics: Toward a Transferable Theoretical Framework. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2504-2513	16.4	60
104	Enhancing Magnetic Hysteresis in Single-Molecule Magnets by Ligand Functionalization. <i>Chem</i> , 2020 , 6, 1777-1793	16.2	55
103	Physicochemical Properties of Near-Linear Lanthanide(II) Bis(silylamide) Complexes (Ln = Sm, Eu, Tm, Yb). <i>Inorganic Chemistry</i> , 2016 , 55, 10057-10067	5.1	54

102	Observation of ferromagnetic exchange, spin crossover, reductively induced oxidation, and field-induced slow magnetic relaxation in monomeric cobalt nitroxides. <i>Inorganic Chemistry</i> , 2013 , 52, 7557-72	5.1	53
101	How the Ligand Field in Lanthanide Coordination Complexes Determines Magnetic Susceptibility Anisotropy, Paramagnetic NMR Shift, and Relaxation Behavior. <i>Accounts of Chemical Research</i> , 2020 , 53, 1520-1534	24.3	52
100	Theoretical studies on polynuclear {Cu(II)5Gd(III)n} clusters (n = 4, 2): towards understanding their large magnetocaloric effect. <i>Inorganic Chemistry</i> , 2015 , 54, 1661-70	5.1	50
99	Rationalization of Anomalous Pseudocontact Shifts and Their Solvent Dependence in a Series of C-Symmetric Lanthanide Complexes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14166-14172	16.4	48
98	Partial spin crossover behaviour in a dinuclear iron(II) triple helicate. <i>Dalton Transactions</i> , 2011 , 40, 12368-73	4.3	48
97	Spectroscopic and Crystal Field Consequences of Fluoride Binding by [Yb(DTMA)](3+) in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10783-6	16.4	46
96	Post-synthetic monovalent central-metal exchange, specific I2 sensing, and polymerization of a catalytic [3B] grid of [Cu(II)5Cu(I)4L6]?(I)2?13 H2O. <i>Chemistry - A European Journal</i> , 2013 , 19, 6321-8	4.8	45
95	Tetranuclear Zn/4f coordination clusters as highly efficient catalysts for Friedel-Crafts alkylation. <i>Chemical Communications</i> , 2016 , 52, 7866-9	5.8	45
94	Unprecedented hexagonal bipyramidal single-ion magnets based on metallacrowns. <i>Chemical Communications</i> , 2016 , 52, 13365-13368	5.8	43
93	Synthesis and characterization of homo- and heterovalent tetra- hexa- hepta- and decanuclear manganese clusters using pyridyl functionalized beta-diketone, carboxylate and triethanolamine ligands. <i>Dalton Transactions</i> , 2010 , 39, 7236-49	4.3	42
92	Understanding magnetic relaxation in single-ion magnets with high blocking temperature. <i>Physical Review B</i> , 2020 , 101,	3.3	41
91	Fast magnetic relaxation in an octahedral dysprosium tetramethyl-aluminate complex. <i>Dalton Transactions</i> , 2014 , 43, 3035-8	4.3	41
90	A high nuclearity mixed valence {Mn32} complex. <i>Chemical Communications</i> , 2011 , 47, 6281-3	5.8	41
89	Cu(II) Coordination Polymers as Vehicles in the A Coupling. <i>Inorganic Chemistry</i> , 2017 , 56, 4898-4910	5.1	38
88	Studies of hysteresis and quantum tunnelling of the magnetisation in dysprosium(iii) single molecule magnets. <i>Dalton Transactions</i> , 2019 , 48, 8541-8545	4.3	38
87	Structure, magnetic behavior, and anisotropy of homoleptic trinuclear lanthanoid 8-quinolinolate complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 2528-34	5.1	37
86	Single molecule magnetism in a [phenolato dinuclear lanthanide motif ligated by heptadentate Schiff base ligands. <i>Dalton Transactions</i> , 2012 , 41, 13711-5	4.3	37
85	Ab Initio Prediction of High-Temperature Magnetic Relaxation Rates in Single-Molecule Magnets. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5943-5950	16.4	36

84	Strong Exchange Coupling in a Trimetallic Radical-Bridged Cobalt(II)-Hexaazatrinaphthylene Complex. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5521-5	16.4	36
83	A Family of {Cr(III)2Ln(III)2} Butterfly Complexes: Effect of the Lanthanide Ion on the Single-Molecule Magnet Properties. <i>Inorganic Chemistry</i> , 2015 , 54, 10497-503	5.1	35
82	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). <i>Inorganic Chemistry</i> , 2017 , 56, 5959-5970	5.1	34
81	Engineering electronic structure to prolong relaxation times in molecular qubits by minimising orbital angular momentum. <i>Nature Communications</i> , 2019 , 10, 3330	17.4	34
80	Single-molecule magnetism in {Co(III)2Dy(III)2}-amine-polyalcohol-acetylacetonate complexes: effects of ligand replacement at the Dy(III) sites on the dynamics of magnetic relaxation. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 867-875	6.8	33
79	Assessing crystal field and magnetic interactions in diuranium- π -chalcogenide triamidoamine complexes with U-E-U cores (E = S, Se, Te): implications for determining the presence or absence of actinide-actinide magnetic exchange. <i>Chemical Science</i> , 2017 , 8, 6207-6217	9.4	33
78	Ultrahard magnetism from mixed-valence dilanthanide complexes with metal-metal bonding.. <i>Science</i> , 2022 , 375, 198-202	33.3	32
77	Ln(III)2Mn(III)2 heterobimetallic "butterfly" complexes displaying antiferromagnetic coupling (Ln = Eu, Gd, Tb, Er). <i>Dalton Transactions</i> , 2012 , 41, 11402-12	4.3	31
76	Evidence of Slow Magnetic Relaxation in Co(AcO)2(py)2(H2O)2. <i>Magnetochemistry</i> , 2016 , 2, 23	3.1	31
75	A Low-Symmetry Dysprosium Metallocene Single-Molecule Magnet with a High Anisotropy Barrier. <i>Angewandte Chemie</i> , 2016 , 128, 11248-11251	3.6	30
74	A dichlorido-bridged dinuclear Dy(III) single-molecule magnet with an effective energy barrier larger than 600 K. <i>Chemical Communications</i> , 2019 , 55, 7930-7933	5.8	29
73	Lanthanide-induced relaxation anisotropy. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 17676-17686	3.6	29
72	Opening Magnetic Hysteresis by Axial Ferromagnetic Coupling: From Mono-Decker to Double-Decker Metallocrown. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 5299-5306	16.4	29
71	Rare-Earth- and Uranium-Mesoionic Carbenes: A New Class of f-Block Carbene Complex Derived from an N-Heterocyclic Olefin. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11534-11538	16.4	28
70	On the possibility of magneto-structural correlations: detailed studies of dinickel carboxylate complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 8464-72	5.1	27
69	Self-assembled decanuclear Na(I)2Mn(II)4Mn(III)4 complexes: from discrete clusters to 1-D and 2-D structures, with the Mn(II)4Mn(III)4 unit displaying a large spin ground state and probable SMM behaviour. <i>Dalton Transactions</i> , 2011 , 40, 12201-9	4.3	27
68	Coordination polymers from a highly flexible alkyldiamine-derived ligand: structure, magnetism and gas adsorption studies. <i>Dalton Transactions</i> , 2015 , 44, 17494-507	4.3	26
67	Exquisite sensitivity of the ligand field to solvation and donor polarisability in coordinatively saturated lanthanide complexes. <i>Chemical Communications</i> , 2018 , 54, 8486-8489	5.8	26

66	Spin Crossover in a 3,5-Bis(2-pyridyl)-1,2,4-triazolate-Bridged Dinuclear Iron(II) Complex $[\{\text{Fe}(\text{NCBH}_3)(\text{py})\}_2(\text{L}1)_2]$ [Powder versus Single Crystal Study. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 850-864	2.3	26
65	The acid test: the chemistry of carboxylic acid functionalised $\{\text{Cr}7\text{Ni}\}$ rings. <i>Chemical Science</i> , 2014 , 5, 235-239	9.4	25
64	Crown-linked dipyridylamino-triazine ligands and their spin-crossover iron(II) derivatives: magnetism, photomagnetism and cooperativity. <i>Dalton Transactions</i> , 2013 , 42, 16494-509	4.3	25
63	Analysis of Lanthanide-Radical Magnetic Interactions in Ce(III) 2,2'-Bipyridyl Complexes. <i>Inorganic Chemistry</i> , 2017 , 56, 2496-2505	5.1	24
62	The first 4d/4f single-molecule magnet containing a $\{\text{Ru}(\text{III})_2\text{Dy}(\text{III})_2\}$ core. <i>Chemical Communications</i> , 2015 , 51, 2044-7	5.8	23
61	The performance of density functional theory for the description of ground and excited state properties of inorganic and organometallic uranium compounds. <i>Journal of Organometallic Chemistry</i> , 2018 , 857, 58-74	2.3	22
60	Structure and magnetic exchange in heterometallic 3d-3d transition metal triethanolamine clusters. <i>Dalton Transactions</i> , 2012 , 41, 1033-46	4.3	21
59	Measuring Spin-Spin Interactions between Heterospins in a Hybrid [2]Rotaxane. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3876-3879	16.4	20
58	A large barrier single-molecule magnet without magnetic memory. <i>Dalton Transactions</i> , 2019 , 48, 10795-10798	16.4	20
57	Exchange-Biasing in a Dinuclear Dysprosium(III) Single-Molecule Magnet with a Large Energy Barrier for Magnetisation Reversal. <i>Chemistry - A European Journal</i> , 2020 , 26, 6773-6777	4.8	20
56	Three-Coordinate Iron(II) Expanded Ring N-Heterocyclic Carbene Complexes. <i>Organometallics</i> , 2016 , 35, 1098-1106	3.8	20
55	Large zero-field splittings of the ground spin state arising from antisymmetric exchange effects in heterometallic triangles. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5310-3	16.4	19
54	Slow magnetic relaxation in a $\{\text{EuCu}\}$ metallacrown. <i>Dalton Transactions</i> , 2019 , 48, 1686-1692	4.3	18
53	Unusual oxidation state distributions observed for two mixed-valence heptanuclear manganese disc-like clusters. <i>Dalton Transactions</i> , 2012 , 41, 9789-96	4.3	18
52	Molecules Designed to Contain Two Weakly Coupled Spins with a Photoswitchable Spacer. <i>Chemistry - A European Journal</i> , 2017 , 23, 13648-13659	4.8	17
51	Probing Relaxation Dynamics in Five-Coordinate Dysprosium Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2020 , 26, 7774-7778	4.8	17
50	Strong Exchange Coupling in a Trimetallic Radical-Bridged Cobalt(II)-Hexaazatrinaphthylene Complex. <i>Angewandte Chemie</i> , 2016 , 128, 5611-5615	3.6	17
49	Electronic structures of bent lanthanide(III) complexes with two N-donor ligands. <i>Chemical Science</i> , 2019 , 10, 10493-10502	9.4	17

48	Light Lanthanide Metallocenium Cations Exhibiting Weak Equatorial Anion Interactions. <i>Chemistry - A European Journal</i> , 2019 , 25, 7749-7758	4.8	16
47	Salts of the two-coordinate homoleptic manganese(I) dialkyl anion $[Mn\{C(SiMe_3)_3\}_2]^-$ with quenched orbital magnetism. <i>Chemical Communications</i> , 2015 , 51, 13275-8	5.8	16
46	Terbocenium: completing a heavy lanthanide metallocenium cation family with an alternative anion abstraction strategy. <i>Chemical Communications</i> , 2018 , 54, 9182-9185	5.8	16
45	Magnetic properties of octa- and heptadeca-nuclear heterometallic $CoII\lnIII$ complexes derived from the ligand 6-chloro-2-hydroxypyridine. <i>Polyhedron</i> , 2013 , 66, 48-55	2.7	16
44	Metallacrowns as Templates for Diabolo-like $\{LnCu\}$ Complexes with Nearly Perfect Square Antiprismatic Geometry. <i>Chemistry - A European Journal</i> , 2017 , 23, 15617-15622	4.8	16
43	Iron(II) Complexes of Two Amine/Imine N5 Chelate Ligands Containing a 1,4-Diazepane Core \square To Crossover or Not To Crossover. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 958-967	2.3	16
42	Spectroscopic and Crystal Field Consequences of Fluoride Binding by $[Yb^?DTMA]$ in Aqueous Solution. <i>Angewandte Chemie</i> , 2015 , 127, 10933-10936	3.6	14
41	Isolation and electronic structures of derivatized manganocene, ferrocene and cobaltocene anions. <i>Nature Chemistry</i> , 2021 , 13, 243-248	17.6	14
40	Exploring the Coordination Capabilities of a Family of Flexible Benzotriazole-Based Ligands Using Cobalt(II) Sources. <i>Crystal Growth and Design</i> , 2017 , 17, 2718-2729	3.5	13
39	Sensitivity of Magnetic Anisotropy in the Solid State for Lanthanide Complexes with Small Crystal Field Splitting. <i>Inorganic Chemistry</i> , 2019 , 58, 5733-5745	5.1	13
38	Redox and acid-base properties of asymmetric non-heme (hydr)oxo-bridged diiron complexes. <i>Dalton Transactions</i> , 2014 , 43, 9740-53	4.3	13
37	$[MIII_2MII_3]$ trigonal bipyramidal cages based on diamagnetic and paramagnetic metalloligands. <i>Chemical Science</i> , 2017 , 8, 5526-5535	9.4	12
36	Molecular and electronic structures of donor-functionalized dysprosium pentadienyl complexes. <i>Dalton Transactions</i> , 2015 , 44, 7109-13	4.3	12
35	Practical and Selective sp C-H Bond Chlorination via Aminium Radicals. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7132-7139	16.4	12
34	Unravelling the Complexities of Pseudocontact Shift Analysis in Lanthanide Coordination Complexes of Differing Symmetry. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10290-10294	16.4	11
33	A double-dysprosocenium single-molecule magnet bound together with neutral ligands. <i>Chemical Communications</i> , 2020 , 56, 5677-5680	5.8	11
32	Modular $[FeM]$ (M = Pd, Co, Ni, Cu) Coordination Cages. <i>Inorganic Chemistry</i> , 2018 , 57, 3500-3506	5.1	11
31	Trinuclear and tetranuclear manganese clusters derived from cyano(imino(methoxy)methyl)nitrosomethanide (cmnm). <i>Polyhedron</i> , 2013 , 52, 797-803	2.7	11

30	Ligand field influence on the electronic and magnetic properties of quasi-linear two-coordinate iron(II) complexes. <i>Dalton Transactions</i> , 2015 , 44, 11202-11	4.3	11
29	A perfect triangular dysprosium single-molecule magnet with virtually antiparallel Ising-like anisotropy. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 2941-2948	6.8	10
28	Di- and Tetranuclear Complexes of Bis-Tetradentate Pyrimidine-Based Ligands with All-Methylene-Versus Mixed Methylene/Ethylene-Linked Arms. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 4485-4498	2.3	10
27	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. <i>Dalton Transactions</i> , 2013 , 42, 13576-83	4.3	9
26	Insights into @metal-symmetry single-molecule magnetism: the case of a dysprosium-bis(boryloxide) complex. <i>Chemical Communications</i> , 2021 , 57, 733-736	5.8	9
25	Periodic trends and hidden dynamics of magnetic properties in three series of triazacyclononane lanthanide complexes. <i>Dalton Transactions</i> , 2019 , 48, 8400-8409	4.3	8
24	Correlating axial and equatorial ligand field effects to the single-molecule magnet performances of a family of dysprosium bis-methanediide complexes. <i>Chemical Science</i> , 2021 , 12, 3911-3920	9.4	8
23	Measuring Spin-Spin Interactions between Heterospins in a Hybrid [2]Rotaxane. <i>Angewandte Chemie</i> , 2017 , 129, 3934-3937	3.6	7
22	Rare-Earth- and Uranium-Mesoionic Carbenes: A New Class of f-Block Carbene Complex Derived from an N-Heterocyclic Olefin. <i>Angewandte Chemie</i> , 2017 , 129, 11692-11696	3.6	7
21	Analysis of vibronic coupling in a 4f molecular magnet with FIRMS.. <i>Nature Communications</i> , 2022 , 13, 825	17.4	7
20	Structure and magnetism of a mixed-valence octanuclear manganese(II/III) cluster derived from carbamoylcyanonitrosomethanide (ccnm). <i>Dalton Transactions</i> , 2013 , 42, 1400-5	4.3	6
19	Opening Magnetic Hysteresis by Axial Ferromagnetic Coupling: From Mono-Decker to Double-Decker Metallocrown. <i>Angewandte Chemie</i> , 2021 , 133, 5359-5366	3.6	5
18	A Cost-Effective Semi-Ab Initio Approach to Model Relaxation in Rare-Earth Single-Molecule Magnets. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 8826-8832	6.4	5
17	Self-assembly of a mixed-valence Fe-Fe tetranuclear star. <i>Dalton Transactions</i> , 2018 , 47, 7118-7122	4.3	4
16	Iron Precatalysts with Bulky Tri(tert-butyl)cyclopentadienyl Ligands for the Dehydrocoupling of Dimethylamine-Borane. <i>Chemistry - A European Journal</i> , 2018 , 24, 14127-14136	4.8	4
15	Magnetic exchange interactions in symmetric lanthanide dimetallics. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3909-3918	6.8	4
14	Organometallic lanthanide bismuth cluster single-molecule magnets. <i>CheM</i> , 2022 , 8, 717-730	16.2	4
13	Anomalous magnetism of uranium(IV)-oxo and -imido complexes reveals unusual doubly degenerate electronic ground states. <i>CheM</i> , 2021 , 7, 1666-1680	16.2	3

12	Unravelling the Complexities of Pseudocontact Shift Analysis in Lanthanide Coordination Complexes of Differing Symmetry. <i>Angewandte Chemie</i> , 2019 , 131, 10396-10400	3.6	2
11	Zero-Field Quantum Tunneling of the Magnetization in a Series of High Energy-Barrier Dysprosium (III) Single-Molecule Magnets		2
10	Extraction of Hidden Relaxation times from AC susceptibility data	4, 3	2
9	Magnetic Properties and Second Harmonic Generation of Noncentrosymmetric Cyanido-Bridged Ln(III)-W(V) Assemblies. <i>Inorganic Chemistry</i> , 2021 , 60, 12009-12019	5.1	2
8	Studies of the Temperature Dependence of the Structure and Magnetism of a Hexagonal-Bipyramidal Dysprosium(III) Single-Molecule Magnet.. <i>Inorganic Chemistry</i> , 2021 ,	5.1	2
7	Large Zero-Field Splittings of the Ground Spin State Arising from Antisymmetric Exchange Effects in Heterometallic Triangles. <i>Angewandte Chemie</i> , 2014 , 126, 5414-5417	3.6	1
6	Assessment of minimal active space CASSCF-SO methods for calculation of atomic Slater-Condon and spin-orbit coupling parameters in d- and f-block ions. <i>Dalton Transactions</i> , 2021 , 50, 14130-14138	4.3	1
5	Single-Molecule Magnets	1-21	0
4	Reaktitelbild: 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> , 2014 , 126, 5578-5578	3.6	
3	Single Isomer Heterometallic {CrM} Rings Templated by Tetramethylammonium. <i>Inorganic Chemistry</i> , 2021 , 60, 15675-15685	5.1	
2	Innenreaktittelbild: Strong Exchange Coupling in a Trimetallic Radical-Bridged Cobalt(II)-Hexaazatrinaphthylene Complex (Angew. Chem. 18/2016). <i>Angewandte Chemie</i> , 2016 , 128, 5701-5701	3.6	
1	Practical and Selective sp ³ C-H Bond Chlorination via Aminium Radicals. <i>Angewandte Chemie</i> , 2021 , 133, 7208-7215	3.6	