

Conrad A P Goodwin

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,740
citations

361045

20
h-index

301761

39
g-index

50
all docs

50
docs citations

50
times ranked

2322
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular magnetic hysteresis at 60 kelvin in dysprosocenium. <i>Nature</i> , 2017, 548, 439-442.	13.7	1,450
2	The first near-linear bis(amide) f-block complex: a blueprint for a high temperature single molecule magnet. <i>Chemical Communications</i> , 2015, 51, 101-103.	2.2	236
3	Synthesis and Electronic Structures of Heavy Lanthanide Metalloccenium Cations. <i>Journal of the American Chemical Society</i> , 2017, 139, 18714-18724.	6.6	111
4	Understanding magnetic relaxation in single-ion magnets with high blocking temperature. <i>Physical Review B</i> , 2020, 101, .	1.1	94
5	Studies of hysteresis and quantum tunnelling of the magnetisation in dysprosium(III) single molecule magnets. <i>Dalton Transactions</i> , 2019, 48, 8541-8545.	1.6	71
6	Physicochemical Properties of Near-Linear Lanthanide(II) Bis(silylamide) Complexes (Ln = Sm, Eu, Tm, Yb). <i>Inorganic Chemistry</i> , 2016, 55, 10057-10067.	1.9	66
7	Engineering electronic structure to prolong relaxation times in molecular qubits by minimising orbital angular momentum. <i>Nature Communications</i> , 2019, 10, 3330.	5.8	64
8	Homoleptic Trigonal Planar Lanthanide Complexes Stabilized by Superbulky Silylamide Ligands. <i>Organometallics</i> , 2015, 34, 2314-2325.	1.1	45
9	Blocking like it's hot: a synthetic chemists' path to high-temperature lanthanide single molecule magnets. <i>Dalton Transactions</i> , 2020, 49, 14320-14337.	1.6	44
10	$[\text{U}^{\text{III}}\{\text{N}(\text{SiMe}_2\text{tBu})_3\}_3]$: A Structurally Authenticated Trigonal Planar Actinide Complex. <i>Chemistry - A European Journal</i> , 2014, 20, 14579-14583.	1.7	39
11	Isolation and electronic structures of derivatized manganocene, ferrocene and cobaltocene anions. <i>Nature Chemistry</i> , 2021, 13, 243-248.	6.6	39
12	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.	1.9	38
13	Terbocenium: completing a heavy lanthanide metalloccenium cation family with an alternative anion abstraction strategy. <i>Chemical Communications</i> , 2018, 54, 9182-9185.	2.2	30
14	$[\text{Am}(\text{C}_5\text{Me}_4\text{H})_3]$: An Organometallic Americium Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11695-11699.	7.2	29
15	Light Lanthanide Metalloccenium Cations Exhibiting Weak Equatorial Anion Interactions. <i>Chemistry - A European Journal</i> , 2019, 25, 7749-7758.	1.7	29
16	In-Plane Thorium(IV), Uranium(IV), and Neptunium(IV) Expanded Porphyrin Complexes. <i>Journal of the American Chemical Society</i> , 2019, 141, 17867-17874.	6.6	28
17	A double-dysprosocenium single-molecule magnet bound together with neutral ligands. <i>Chemical Communications</i> , 2020, 56, 5677-5680.	2.2	26
18	Electronic structures of bent lanthanide(III) complexes with two N-donor ligands. <i>Chemical Science</i> , 2019, 10, 10493-10502.	3.7	25

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19	Isolation and characterization of a californium metallocene. <i>Nature</i> , 2021, 599, 421-424.	13.7	25
20	A Single Small-Scale Plutonium Redox Reaction System Yields Three Crystallographically-Characterizable Organoplutonium Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 13301-13314.	1.9	23
21	Structural and Spectroscopic Comparison of Soft vs. Hard Donor Bonding in Trivalent Americium/Neodymium Molecules. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9459-9466.	7.2	23
22	A terminal neptunium(V) mono(oxo) complex. <i>Nature Chemistry</i> , 2022, 14, 342-349.	6.6	19
23	Exploring Synthetic Routes to Heteroleptic U(III), U(IV), and Th(IV) Bulky Bis(silyl)amide Complexes. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2356-2362.	1.0	17
24	Salt metathesis versus protonolysis routes for the synthesis of silylamide Hauser base (R ₂ NMgX; X =) <i>Journal of Organometallic Chemistry</i> , 2018, 878, 10-16.	1.6	16
25	[Am(C ₅ Me ₄ H) ₃]: An Organometallic Americium Complex. <i>Angewandte Chemie</i> , 2019, 131, 11821-11825.	1.6	16
26	Salt metathesis routes to homoleptic near-linear Mg(II) and Ca(II) bulky bis(silyl)amide complexes. <i>Dalton Transactions</i> , 2018, 47, 12526-12533.	1.6	14
27	Heteroleptic Samarium(III) Chalcogenide Complexes: Opportunities for Giant Exchange Coupling in Bridging f- and ĩ-Radical Lanthanide Dichalcogenides. <i>Inorganic Chemistry</i> , 2020, 59, 7571-7583.	1.9	14
28	[An(III)(THF) ₄] (An = Np, Pu) Preparation Bypassing An(III) Metal Precursors: Access to Np(III)/Pu(III) Nonaqueous and Organometallic Complexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 20680-20696.	6.6	14
29	Complexation and redox chemistry of neptunium, plutonium and americium with a hydroxylaminate ligand. <i>Chemical Science</i> , 2021, 12, 13343-13359.	3.7	13
30	Silylamides: towards a half-century of stabilising remarkable f-element chemistry. <i>Organometallic Chemistry</i> , 2018, 123-156.	0.6	13
31	Expanding the Nonaqueous Chemistry of Neptunium: Synthesis and Structural Characterization of [Np(NR ₂) ₃ Cl], [Np(NR ₂) ₃ Cl] ⁺ , and [Np(<i>N</i> (R)(SiMe ₂ CH ₂) ₂) ₂ (NR ₂)] ⁺ (R = SiMe ₃). <i>Inorganic Chemistry</i> , 2021, 60, 2740-2748.	1.9	11
32	Low-spin 1,1'-diphosmetalocenates of chromium and iron. <i>Chemical Communications</i> , 2021, 57, 595-598.	2.2	10
33	Structural Characterization of Lithium and Sodium Bulky Bis(silyl)amide Complexes. <i>Molecules</i> , 2018, 23, 1138.	1.7	8
34	Heteroleptic samarium(III) halide complexes probed by fluorescence-detected L ₃ -edge X-ray absorption spectroscopy. <i>Dalton Transactions</i> , 2018, 47, 10613-10625.	1.6	8
35	2.2.2-Cryptand complexes of neptunium(III) and plutonium(III). <i>Chemical Communications</i> , 2022, 58, 997-1000.	2.2	8
36	Carbene Complexes of Neptunium. <i>Journal of the American Chemical Society</i> , 2022, 144, 9764-9774.	6.6	7

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37	Strangely attractive: Collaboration and feedback in the field of molecular magnetism. International Journal of Quantum Chemistry, 2020, 120, e26248.	1.0	6
38	Structural and Spectroscopic Comparison of Soft σ vs. Hard π Donor Bonding in Trivalent Americium/Neodymium Molecules. Angewandte Chemie, 2021, 133, 9545-9552.	1.6	4
39	Synthesis, characterization, and theoretical analysis of a plutonyl phosphine oxide complex. Dalton Transactions, 2021, 50, 14537-14541.	1.6	4
40	Small Molecule Activation by Lanthanide Complexes. , 2022, , 441-469.		1
41	R $\frac{1}{4}$ cktitelbild: [Am(C ₅ Me ₄ H) ₃]: An Organometallic Americium Complex (Angew. Chem. 34/2019). Angewandte Chemie, 2019, 131, 12050-12050.	1.6	0
42	R $\frac{1}{4}$ cktitelbild: Structural and Spectroscopic Comparison of Soft σ vs. Hard π Donor Bonding in Trivalent Americium/Neodymium Molecules (Angew. Chem. 17/2021). Angewandte Chemie, 2021, 133, 9812-9812.	1.6	0