

# Stephen T Liddle

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2352252/publications.pdf>

Version: 2024-02-01

152  
papers

10,446  
citations

24978

57  
h-index

38300

95  
g-index

184  
all docs

184  
docs citations

184  
times ranked

4236  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving f-element single molecule magnets. <i>Chemical Society Reviews</i> , 2015, 44, 6655-6669.	18.7	699
2	The Renaissance of Non-aqueous Uranium Chemistry. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8604-8641.	7.2	380
3	Anionic tethered N-heterocyclic carbene chemistry. <i>Chemical Society Reviews</i> , 2007, 36, 1732.	18.7	354
4	Synthesis and Structure of a Terminal Uranium Nitride Complex. <i>Science</i> , 2012, 337, 717-720.	6.0	305
5	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.	3.7	300
6	A delocalized arene-bridged diuranium single-molecule magnet. <i>Nature Chemistry</i> , 2011, 3, 454-460.	6.6	299
7	Isolation and characterization of a uranium(VI)-nitride triple bond. <i>Nature Chemistry</i> , 2013, 5, 482-488.	6.6	252
8	Synthesis of a Uranium(VI)-Carbene: Reductive Formation of Uranyl(V)-Methanides, Oxidative Preparation of a $[R_2UCO]^{2+}$ Analogue of the $[O_2UO]^{2+}$ Uranyl Ion ( $R = Ph_2PNSiMe_3$ ), and Comparison of the Nature of $UV\hat{=}C$ , $UV\hat{=}C$ , and $UVI\hat{=}C$ Double Bonds. <i>Journal of the American Chemical Society</i> , 2012, 134, 10047-10054.	6.6	163
9	f-block N-heterocyclic carbene complexes. <i>Chemical Communications</i> , 2006, , 3959.	2.2	156
10	Early metal bis(phosphorus-stabilised)carbene chemistry. <i>Chemical Society Reviews</i> , 2011, 40, 2164.	18.7	153
11	Homologation and functionalization of carbon monoxide by a recyclable uranium complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9265-9270.	3.3	151
12	Bifunctional yttrium(iii) and titanium(iv) NHC catalysts for lactide polymerisation. <i>Chemical Communications</i> , 2006, , 1124.	2.2	150
13	The First Structural Characterisation of a Group 2 Metal Alkylperoxide Complex: Comments on the Cleavage of Dioxygen by Magnesium Alkyl Complexes. <i>Chemistry - A European Journal</i> , 2003, 9, 4820-4828.	1.7	145
14	$\pi$ and $\sigma$ -Donation in an Unsupported Uranium-Gallium Bond. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1077-1080.	7.2	136
15	Single-Molecule Magnetism in a Single-Ion Triamidoamine Uranium(V) Terminal Mono-oxo Complex. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4921-4924.	7.2	133
16	Uranium-Carbon Multiple Bonding: Facile Access to the Pentavalent Uranium Carbene $[U\{C(PPh_2)_2NSiMe_3\}_2(Cl)_2](I)$ and Comparison of $UV\hat{=}C$ and $UVI\hat{=}C$ Bonds. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2383-2386.	7.2	132
17	A Formal High Oxidation State Inverse-Sandwich Diuranium Complex: A New Route to f-block-Metal Bonds. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10388-10392.	7.2	132
18	Triamidoamine-Uranium(IV)-Stabilized Terminal Parent Phosphide and Phosphinidene Complexes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4484-4488.	7.2	130

#	ARTICLE	IF	CITATIONS
19	The inverse-trans-influence in tetravalent lanthanide and actinide bis(carbene) complexes. <i>Nature Communications</i> , 2017, 8, 14137.	5.8	128
20	Deprotonation of N-Heterocyclic Carbenes to Afford Heterobimetallic Organolanthanide Complexes. <i>Organometallics</i> , 2006, 25, 1485-1491.	1.1	126
21	Synthesis and Characterization of an f-Block Terminal Parent Imido [U <sup>IV</sup> •NH] Complex: A Masked Uranium(IV) Nitride. <i>Journal of the American Chemical Society</i> , 2014, 136, 5619-5622.	6.6	121
22	Bent metal carbene geometries in amido N-heterocyclic carbene complexes. <i>Chemical Communications</i> , 2004, , 2738.	2.2	118
23	Triamidoamine uranium(IV)–arsenic complexes containing one-, two- and threefold U–As bonding interactions. <i>Nature Chemistry</i> , 2015, 7, 582-590.	6.6	114
24	A Lanthanide–Gallium Complex Stabilized by the N-Heterocyclic Carbene Group. <i>Journal of the American Chemical Society</i> , 2007, 129, 5360-5361.	6.6	113
25	Catalytic Dinitrogen Reduction to Ammonia at a Triamidoamine–Titanium Complex. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6314-6318.	7.2	113
26	On the Nature of Actinide– and Lanthanide–Metal Bonds in Heterobimetallic Compounds. <i>Chemistry - A European Journal</i> , 2011, 17, 8424-8433.	1.7	112
27	Regioselective C–H Activation and Sequential C–C and C–O Bond Formation Reactions of Aryl Ketones Promoted by an Yttrium Carbene. <i>Journal of the American Chemical Society</i> , 2010, 132, 14379-14381.	6.6	108
28	Metal–metal bonds in f-element chemistry. <i>Dalton Transactions</i> , 2009, , 5592.	1.6	106
29	Small–Molecule Activation at Uranium(III). <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3753-3770.	1.0	106
30	Synthesis, Characterization, and Reactivity of a Uranium(VI) Carbene Imido Oxo Complex. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6696-6700.	7.2	103
31	The Nature of the U–C Double Bond: Pushing the Stability of High–Oxidation–State Uranium Carbenes to the Limit. <i>Chemistry - A European Journal</i> , 2013, 19, 7071-7083.	1.7	99
32	Progress in molecular uranium-nitride chemistry. <i>Coordination Chemistry Reviews</i> , 2014, 266-267, 2-15.	9.5	98
33	The role of 5f-orbital participation in unexpected inversion of the f–bond metathesis reactivity trend of triamidoamine thorium(IV) and uranium(IV) alkyls. <i>Chemical Science</i> , 2014, 5, 2489-2497.	3.7	94
34	Synthesis and structural characterisation of an yttrium–alkyl–alkylidene. <i>Chemical Communications</i> , 2008, , 1747.	2.2	92
35	A Cerium(IV)–Carbon Multiple Bond. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13016-13019.	7.2	91
36	Two–Electron Reductive Carbonylation of Terminal Uranium(V) and Uranium(VI) Nitriles to Cyanate by Carbon Monoxide. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10412-10415.	7.2	91

#	ARTICLE	IF	CITATIONS
37	Emergence of comparable covalency in isostructural cerium( $\text{IV}$ ) and uranium( $\text{IV}$ ) carbon multiple bonds. <i>Chemical Science</i> , 2016, 7, 3286-3297.	3.7	90
38	Synthesis and structure of $[\{\text{N}(\text{CH}_2\text{CH}_2\text{NSiMe}_3)_3\}\text{URe}(\eta^5\text{-C}_5\text{H}_5)_2]$ : a heterobimetallic complex with an unsupported uranium-rhenium bond. <i>Chemical Communications</i> , 2009, , 2851.	2.2	89
39	Thorium phosphorus triamidoamine complexes containing Th-P single- and multiple-bond interactions. <i>Nature Communications</i> , 2016, 7, 12884.	5.8	87
40	Synthesis and structure of $[\text{U}\{\text{C}(\text{PPh}_2\text{NMes})_2\}_2]$ (Mes = 2,4,6-Me $_3$ C $_6$ H $_2$ ): A homoleptic uranium bis(carbene) complex with two formal U-C double bonds. <i>Dalton Transactions</i> , 2010, 39, 5074.	1.6	85
41	Synthesis of Uranium(VI) Terminal Oxo Complexes: Molecular Geometry Driven by the Inverse Trans-Influence. <i>Journal of the American Chemical Society</i> , 2012, 134, 5284-5289.	6.6	84
42	Titanium(III) Alkoxy-N-heterocyclic Carbenes and a Safe, Low-Cost Route to $\text{TiCl}_3(\text{THF})_3$ . <i>Organometallics</i> , 2007, 26, 755-757.	1.1	83
43	Molecular and electronic structure of terminal and alkali metal-capped uranium(V) nitride complexes. <i>Nature Communications</i> , 2016, 7, 13773.	5.8	82
44	Synthesis of Heteroleptic Cerium(III) Anionic Amido-Tethered N-Heterocyclic Carbene Complexes. <i>Organometallics</i> , 2005, 24, 2597-2605.	1.1	77
45	A Heterobimetallic Gallyl Complex Containing an Unsupported Ga-Y Bond. <i>Inorganic Chemistry</i> , 2009, 48, 3520-3522.	1.9	77
46	An Unsupported Uranium-Rhenium Complex Prepared by Alkane Elimination. <i>Chemistry - A European Journal</i> , 2011, 17, 6909-6912.	1.7	72
47	Studies of hysteresis and quantum tunnelling of the magnetisation in dysprosium( $\text{III}$ ) single molecule magnets. <i>Dalton Transactions</i> , 2019, 48, 8541-8545.	1.6	71
48	Synthesis and reactivity of the yttrium-alkyl-carbene complex $[\text{Y}(\text{BIPM})(\text{CH}_2\text{C}_6\text{H}_5)(\text{THF})]$ (BIPM =) $\text{Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50}$	1.6	67
49	The Nature of Unsupported Uranium-Ruthenium Bonds: A Combined Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , 2011, 17, 11266-11273.	1.7	65
50	Heteroleptic $[\text{M}(\text{CH}_2\text{C}_6\text{H}_5)_2(\text{I})(\text{THF})_3]$ Complexes (M = Y or Er): Remarkably Stable Precursors to Yttrium and Erbium T-Shaped Carbenes. <i>Organometallics</i> , 2009, 28, 6771-6776.	1.1	64
51	Structural and theoretical insights into the perturbation of uranium-rhenium bonds by dative Lewis base ancillary ligands. <i>Chemical Communications</i> , 2011, 47, 295-297.	2.2	64
52	An Actinide Zintl Cluster: A Tris(triamidouranium) $\text{U}_4\text{P}_2\text{U}_2$ Heptaphosphanortricyclane and Its Diverse Synthetic Utility. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13334-13337.	1.1	63
53	Uranium triamidoamine chemistry. <i>Chemical Communications</i> , 2015, 51, 10589-10607.	2.2	62
54	Crystalline Diuranium Phosphinidide and $\text{U}_4\text{P}$ Phosphido Complexes with Symmetric and Asymmetric UPU Cores. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10495-10500.	7.2	62

#	ARTICLE	IF	CITATIONS
55	A Crystallizable Dinuclear Tuck-In-Tuck-Over Tuck-Over Diaryl Tren Uranium Complex and Double Dearylation of BPh <sub>4</sub> <sup>+</sup> To Give the BPh <sub>2</sub> -Functionalized Metallocycle [U{N(CH <sub>2</sub> ) <sub>2</sub> CH <sub>2</sub> NSiMe <sub>3</sub> }) <sub>2</sub> (CH <sub>2</sub> ) <sub>2</sub> (CH <sub>2</sub> ) <sub>2</sub> NSiMe <sub>2</sub> ) <sub>2</sub> ] (Journal of the American Chemical Society, 2009, 131, 10388-10389).	6.6	61
56	Inverted sandwich arene complexes of uranium. Coordination Chemistry Reviews, 2015, 293-294, 211-227.	9.5	61
57	Synthesis and characterisation of yttrium complexes supported by the $\eta^2$ -diketiminato ligand {ArNc(CH <sub>3</sub> )CHC(CH <sub>3</sub> )NAr} <sup>-</sup> (Ar = 2,6-Pri <sub>2</sub> C <sub>6</sub> H <sub>3</sub> ). Dalton Transactions, 2007, , 3305.	1.6	57
58	A Very Short Uranium(IV)-Rhodium(I) Bond with Net Double-Donative Bonding Character. Angewandte Chemie - International Edition, 2018, 57, 6587-6591.	7.2	53
59	Actinide-Pnictide (An <sup>n</sup> Pn) Bonds Spanning Non-Metal, Metalloid, and Metal Combinations (An=U, Th; Tj ETQq) 1 0.784314 rgBT	7.2	53
60	An Inverted Sandwich Diuranium $\eta^4$ -Cyclopentadienyl Complex Supported by U <sup>IV</sup> -C Bonding. Angewandte Chemie - International Edition, 2015, 54, 7068-7072.	7.2	52
61	A crystalline tri-thorium cluster with $\eta^6$ -aromatic metal-metal bonding. Nature, 2021, 598, 72-75.	13.7	52
62	Synthesis and Characterization of Dysprosium and Lanthanum Bis(iminophosphorano)methanide and -methanediide Complexes. Organometallics, 2010, 29, 2315-2321.	1.1	51
63	Reductive assembly of cyclobutadienyl and diphosphacyclobutadienyl rings at uranium. Nature Communications, 2013, 4, 2323.	5.8	50
64	Isolation of Elusive HAsAsH in a Crystalline Diuranium(IV) Complex. Angewandte Chemie - International Edition, 2015, 54, 15250-15254.	7.2	50
65	Triamidoamine thorium-arsenic complexes with parent arsenide, arsinidiide and arsenido structural motifs. Nature Communications, 2017, 8, 14769.	5.8	50
66	Emergence of the structure-directing role of f-orbital overlap-driven covalency. Nature Communications, 2019, 10, 634.	5.8	50
67	Back-bonding between an electron-poor, high-oxidation-state metal and poor $\pi$ -acceptor ligand in a uranium(V)-dinitrogen complex. Nature Chemistry, 2019, 11, 806-811.	6.6	47
68	Bis(phosphorus-stabilised)methanide and methandiide derivatives of group 1&#8211;5 and f-element metals. Organometallic Chemistry, 0, , 29-55.	0.6	47
69	Terminal uranium(V)-nitride hydrogenations involving direct addition or Frustrated Lewis Pair mechanisms. Nature Communications, 2020, 11, 337.	5.8	45
70	Covalent Uranium Carbene Chemistry. Comments on Inorganic Chemistry, 2015, 35, 262-294.	3.0	44
71	Non-traditional ligands in f-block chemistry. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2009, 465, 1673-1700.	1.0	43
72	Reactivity of the Yttrium Alkyl Carbene Complex [Y(BIPM)(CH <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>5</sub> )(THF)] (BIPM =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1.1 (C(Ph) <sub>2</sub> Substitutions, and Additions to Nontypical Transformations. Organometallics, 2013, 32, 1251-1264.	1.1	43

#	ARTICLE	IF	CITATIONS
73	Silylphosphino-carbene Complexes of Uranium(IV). <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5506-5511.	7.2	43
74	Uranium(III)-carbon multiple bonding supported by arene $\pi$ -bonding in mixed-valence hexauranium nanometre-scale rings. <i>Nature Communications</i> , 2018, 9, 2097.	5.8	43
75	Assessing crystal field and magnetic interactions in diuranium- $\frac{1}{4}$ -chalcogenide triamidoamine complexes with $U^{IV}$ 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.	3.7	42
76	Bimetallic Cooperative Cleavage of Dinitrogen to Nitride and Tandem Frustrated Lewis Pair Hydrogenation to Ammonia. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6674-6677.	7.2	42
77	Thorium- and uranium-azide reductions: a transient dithorium-nitride versus isolable diuranium-nitrides. <i>Chemical Science</i> , 2019, 10, 3738-3745.	3.7	42
78	f-Element-metal bond chemistry. <i>Reviews in Inorganic Chemistry</i> , 2012, 32, 1-22.	1.8	41
79	$[U^{III}\{N(SiMe_2)_2\}_3]$ : A Structurally Authenticated Trigonal Planar Actinide Complex. <i>Chemistry - A European Journal</i> , 2014, 20, 14579-14583.	1.7	39
80	Rare-Earth and Uranium-Mesoionic Carbenes: A New Class of Block Carbene Complex Derived from an N-Heterocyclic Olefin. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11534-11538.	7.2	39
81	Terminal Uranium(V/VI) Nitride Activation of Carbon Dioxide and Carbon Disulfide: Factors Governing Diverse and Well-Defined Cleavage and Redox Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, 2950-2959.	1.7	38
82	Halide, Amide, Cationic, Manganese Carbonylate, and Oxide Derivatives of Triamidodisilylamine Uranium Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 9631-9641.	1.9	37
83	Uranium-Carbene-Imido Metalla-Allenes: Ancillary Ligand-Controlled <i>cis-trans</i> Isomerisation and Assessment of <i>trans</i> Influence in the $R_2C=U^{IV}=NR^2$ Unit ( $R=Ph_2PNSiMe_3$ ); <i>Tj ETQq1 1 0.784314rgBT / Overlock 10</i>	1.7	37
84	The Ketimide Ligand is Not Just an Inert Spectator: Heteroallene Insertion Reactivity of an Actinide-Ketimide Linkage in a Thorium Carbene Amide Ketimide Complex. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9356-9359.	7.2	36
85	Reactivity Studies of a T-Shaped Yttrium Carbene: C-F and C-O Bond Activation and C-C Bond Formation Promoted by $[Y(BIPM)(I)(THF)_2]$ ( $BIPM = C(Ph_2NSiMe_3)_2$ ). <i>Organometallics</i> , 2013, 32, 1239-1250.	1.1	35
86	Reactivity of the uranium( $IV$ ) carbene complex $[U(BIPM)(TMS)(Cl)(\frac{1}{4}-Cl)_2Li(THF)_2]$ ( $BIPM = TMS$ ); <i>Tj ETQq0 0 0 rgBT / Overlock 10 Tf</i> substrates: metallo-Wittig, adduct formation, C-F bond activation, and [2 + 2]-cycloaddition reactions. <i>Dalton Transactions</i> , 2014, 43, 14275-14283.	1.6	35
87	Uranium Metalla-Allenes with Carbene Imido $R_2C=U^{IV}=NR^2$ Units ( $R=Ph_2PNSiMe_3$ ; $R^2=CPh_3$ ): Alkali-Metal-Mediated Push-Pull Effects with an Amido Auxiliary. <i>Chemistry - A European Journal</i> , 2016, 22, 11554-11558.	1.7	33
88	Terminal Parent Phosphanide and Phosphinidene Complexes of Zirconium(IV). <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7669-7673.	7.2	33
89	Evidence for single metal two electron oxidative addition and reductive elimination at uranium. <i>Nature Communications</i> , 2017, 8, 1898.	5.8	32
90	Actinide-transition metal bonding in heterobimetallic uranium and thorium-molybdenum paddlewheel complexes. <i>Chemical Communications</i> , 2018, 54, 13515-13518.	2.2	32

#	ARTICLE	IF	CITATIONS
91	Uranium-mediated oxidative addition and reductive elimination. Dalton Transactions, 2015, 44, 12924-12941.	1.6	31
92	f-Element Half-Sandwich Complexes: A Tetrasilylcyclobutadienyl-uranium(IV)-Tris(tetrahydroborate) Anion Pianostool Complex. Angewandte Chemie - International Edition, 2020, 59, 295-299.	7.2	30
93	Charge control of the inverse trans-influence. Chemical Communications, 2015, 51, 16671-16674.	2.2	29
94	Thorium-nitrogen multiple bonds provide evidence for pushing-from-below for early actinides. Nature Communications, 2019, 10, 4203.	5.8	29
95	U-Diketiminato Derivatives of Alkali Metals and Uranium. Organometallics, 2013, 32, 5058-5070.	1.1	27
96	Comments on reactions of oxide derivatives of uranium with hexachloropropene to give UCl <sub>4</sub> . New Journal of Chemistry, 2015, 39, 7559-7562.	1.4	26
97	Neptunium and plutonium complexes with a sterically encumbered triamidoamine (TREN) scaffold. Chemical Communications, 2016, 52, 5428-5431.	2.2	26
98	Catalytic Dinitrogen Reduction to Ammonia at a Triamidoamine-titanium Complex. Angewandte Chemie, 2018, 130, 6422-6426.	1.6	26
99	Exceptional uranium(VI)-nitride triple bond covalency from <sup>15</sup> N nuclear magnetic resonance spectroscopy and quantum chemical analysis. Nature Communications, 2021, 12, 5649.	5.8	26
100	Nature of the Arsonium-ylide Ph <sub>3</sub> As=CH <sub>2</sub> and a Uranium(IV) Arsonium-carbene Complex. Angewandte Chemie - International Edition, 2020, 59, 15870-15874.	7.2	25
101	Trapping of a Highly Bent and Reduced Form of a Phosphaethynolate in a Mixed-valence Diuranium-Triamidoamine Complex. Angewandte Chemie - International Edition, 2019, 58, 10215-10219.	7.2	24
102	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
103	Group 1 Bis(iminophosphorano)methanides, Part 1: <i>N</i> -Alkyl and Silyl Derivatives of the Sterically Demanding Methanes H <sub>2</sub> C(PPh <sub>2</sub> NR) <sub>2</sub> (R = Adamantyl and) Tj ETQq1 1 0.784314 rgB14 Overlo		
104	Thorium Triamidoamine Complexes: Synthesis of an Unusual Dinuclear Tuck-in-tuck-over Thorium Metallacycle Featuring the Longest Known Thorium- <sup>17</sup> F-Alkyl Bond. Organometallics, 2015, 34, 2386-2394.	1.1	23
105	Group 1 Bis(iminophosphorano)methanides, Part 2: <i>N</i> -Aryl Derivatives of the Sterically Demanding Methanes H <sub>2</sub> C(PPh <sub>2</sub> NR) <sub>2</sub> (R = 2,4,6-trimethylphenyl or 2,6-diisopropylphenyl). Organometallics, 2011, 30, 5326-5337.	1.1	22
106	Anomalous magnetism of uranium(IV)-oxo and -imido complexes reveals unusual doubly degenerate electronic ground states. Chem, 2021, 7, 1666-1680.	5.8	22
107	Crystalline Diuranium Phosphinidiide and U <sub>4</sub> Phosphido Complexes with Symmetric and Asymmetric UPU Cores. Angewandte Chemie, 2017, 129, 10631-10636.	1.6	21
108	f-Element silicon and heavy tetrel chemistry. Chemical Science, 2020, 11, 10871-10886.	3.7	21



#	ARTICLE	IF	CITATIONS
109	An Inverted Sandwich Diuranium $\text{U}_4\text{P}_5$ Cyclophosphane Complex Supported by $\text{U}_5\text{P}_5$ Bonding. <i>Angewandte Chemie</i> , 2015, 127, 7174-7178.	1.6	19
110	A Very Short Uranium(IV)-Rhodium(I) Bond with Net Double Bond Character. <i>Angewandte Chemie</i> , 2018, 130, 6697-6701.	1.6	19
111	A terminal neptunium(V) mono(oxo) complex. <i>Nature Chemistry</i> , 2022, 14, 342-349.	6.6	19
112	Photolytic and Reductive Activations of $2\text{ArSAr}$ in a Uranium-Triamidoamine Complex: Decarbonylative Arsenic Group Transfer Reactions and Trapping of a Highly Bent and Reduced Form. <i>Chemistry - A European Journal</i> , 2019, 25, 14246-14252.	1.7	18
113	Dipnictogen f-Element Chemistry: A Diphosphorus Uranium Complex. <i>Journal of the American Chemical Society</i> , 2021, 143, 5343-5348.	6.6	18
114	Yttrium Methanide and Methanediide Bis(silyl)amide Complexes. <i>Organometallics</i> , 2017, 36, 4584-4590.	1.1	17
115	International Year of the Periodic Table: Lanthanide and Actinide Chemistry. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5140-5141.	7.2	17
116	Insights into $\text{D}_{4h}$ metal-symmetry single-molecule magnetism: the case of a dysprosium-bis(boryloxide) complex. <i>Chemical Communications</i> , 2021, 57, 733-736.	2.2	17
117	Isolation of Elusive $\text{HAsH}$ in a Crystalline Diuranium(IV) Complex. <i>Angewandte Chemie</i> , 2015, 127, 15465-15469.	1.6	16
118	The Emergence of Actinide Cyclobutadienyl Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2851-2861.	1.0	15
119	Heteroleptic actinocenes: a thorium( $\text{IV}$ )-cyclobutadienyl-cyclooctatetraenyl-di-potassium-cyclooctatetraenyl complex. <i>Chemical Science</i> , 2020, 11, 6789-6794.	3.7	14
120	Uranyl-tri-bis(silyl)amide Alkali Metal Contact and Separated Ion Pair Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 6571-6583.	1.9	13
121	Evidence for ligand- and solvent-induced disproportionation of uranium(IV). <i>Nature Communications</i> , 2021, 12, 4832.	5.8	13
122	Actinide-Pnictide ( $\text{An}^n\text{Pn}$ ) Bonds Spanning Non-Metal, Metalloid, and Metal Combinations ( $\text{An}=\text{U, Th}$ ; $\text{Tj, Et, Q, O, O, Rg, B, T, /Overlock}$ )	1.6	11
123	Polarised covalent thorium( $\text{IV}$ ) and uranium( $\text{IV}$ )-silicon bonds. <i>Chemical Communications</i> , 2020, 56, 12620-12623.	2.2	11
124	Synthesis and Characterization of an Oxo-Centered Homotrimetallic Uranium(IV)-Cyclobutadienyl Dianion Complex. <i>Organometallics</i> , 2020, 39, 1824-1831.	1.1	11
125	$^{29}\text{Si}$ NMR Spectroscopy as a Probe of s- and f-Block Metal(II)-Silanide Bond Covalency. <i>Journal of the American Chemical Society</i> , 2021, 143, 9813-9824.	6.6	11
126	Silyl-Phosphino-Carbene Complexes of Uranium(IV). <i>Angewandte Chemie</i> , 2018, 130, 5604-5609.	1.6	10



#	ARTICLE	IF	CITATIONS
127	The "Hidden" Reductive [2+2+1] Cycloaddition Chemistry of 2-Phosphaethynolate Revealed by Reduction of a Thio-OCOP Linkage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1197-1202.	7.2	10
128	Terminal Parent Phosphanide and Phosphinidene Complexes of Zirconium(IV). <i>Angewandte Chemie</i> , 2017, 129, 7777-7781.	1.6	9
129	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.	1.6	9
130	Uranium-halide and azide derivatives of the sterically demanding triamidoamine ligand TrenTPS [TrenTPS = {N(CH <sub>2</sub> CH <sub>2</sub> NSiPh <sub>3</sub> ) <sub>3</sub> } <sub>3</sub> ]. <i>Polyhedron</i> , 2017, 125, 2-8.	1.0	9
131	Thorium(IV) alkyl synthesis from a thorium(III) cyclopentadienyl complex and an N-heterocyclic olefin. <i>Journal of Organometallic Chemistry</i> , 2018, 857, 75-79.	0.8	9
132	Prediction of high bond-order metal-metal multiple-bonds in heterobimetallic 3d-4f/5f complexes [TM-M{N(o-[NCH <sub>2</sub> P(CH <sub>3</sub> ) <sub>2</sub> ]C <sub>6</sub> H <sub>4</sub> ) <sub>3</sub> }] (TM = Cr, Mn, Fe; M = U, Np, Pu, and Nd). <i>Dalton Transactions</i> , 2019, 48, 12867-12879.	1.6	9
133	Reply to: [Th(C <sub>8</sub> H <sub>8</sub> )Cl <sub>2</sub> ] <sub>3</sub> is stable but not aromatic. <i>Nature</i> , 2022, 603, E21-E22.	13.7	9
134	Preparation of Heterobimetallic Ketimido-Actinide-Molybdenum Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 13077-13089.	1.9	8
135	f-Element Half-Sandwich Complexes: A Tetrasilylcyclobutadienyl-Uranium(IV)-Tris(tetrahydroborate) Anion Pianostool Complex. <i>Angewandte Chemie</i> , 2020, 132, 301-305.	1.6	8
136	Nature of the Arsonium-ylide Ph <sub>3</sub> As=CH <sub>2</sub> and a Uranium(IV) Arsonium-Carbene Complex. <i>Angewandte Chemie</i> , 2020, 132, 16004-16008.	1.6	8
137	Synthesis and Characterisation of Molecular Polarised-Covalent Thorium-Rhenium and -Ruthenium Bonds. <i>Inorganics</i> , 2021, 9, 30.	1.2	8
138	Trapping of a Highly Bent and Reduced Form of 2-Phosphaethynolate in a Mixed-Valence Diuranium-Triamidoamine Complex. <i>Angewandte Chemie</i> , 2019, 131, 10321-10325.	1.6	7
139	Bridged and Unbridged Nickel-Nickel Bonds Supported by Cyclopentadienyl and Phosphine Ligand Sets. <i>Organometallics</i> , 2020, 39, 4735-4746.	1.1	7
140	A Uranium(VI)-Oxo-Imido Dimer Complex Derived from a Sterically Demanding Triamidoamine. <i>Inorganic Chemistry</i> , 2020, 59, 10034-10041.	1.9	7
141	Carbene Complexes of Neptunium. <i>Journal of the American Chemical Society</i> , 2022, 144, 9764-9774.	6.6	7
142	Bimetallic Cooperative Cleavage of Dinitrogen to Nitride and Tandem Frustrated Lewis Pair Hydrogenation to Ammonia. <i>Angewandte Chemie</i> , 2019, 131, 6746-6749.	1.6	6
143	Rare Earth and Actinide Complexes. <i>Inorganics</i> , 2016, 4, 31.	1.2	5
144	Fragmentation, catenation, and direct functionalisation of white phosphorus by a uranium(silyl)-phosphino-carbene complex. <i>Chemical Communications</i> , 2021, 57, 5090-5093.	2.2	5

#	ARTICLE	IF	CITATIONS
145	“International Year of the Periodic Table” Chemie der Lanthanoide und Actinoide. <i>Angewandte Chemie</i> , 2019, 131, 5194-5195.	1.6	4
146	Uranium–nitride chemistry: uranium–uranium electronic communication mediated by nitride bridges. <i>Dalton Transactions</i> , 2022, 51, 8855-8864.	1.6	4
147	The ditungsten decacarbonyl dianion. <i>Dalton Transactions</i> , 2020, 49, 9330-9335.	1.6	3
148	Uranium halide complexes stabilized by a new sterically demanding tripodal tris( <i>N</i> -adamantylamidodimethylsilyl)methane ligand. <i>Journal of Coordination Chemistry</i> , 2016, 69, 1893-1903.	0.8	2
149	The “Hidden” Reductive [2+2+1] Cycloaddition Chemistry of $\sigma$ -Phosphaethynolate Revealed by Reduction of a ThOCP Linkage. <i>Angewandte Chemie</i> , 2021, 133, 1217-1222.	1.6	2
150	Mesoionic Carbene Complexes of Uranium(IV) and Thorium(IV). <i>Organometallics</i> , 2022, 41, 1353-1363.	1.1	2
151	Arene Complexes of the Actinides. , 2022, , 460-501.		1
152	A Series of Rare-Earth Mesoionic Carbene Complexes. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	1