Ashley J Wooles

List of Publications by Year
in descending order

79	2,351	186209	243529
papers	citations	28 h-index	44 g-index

81	81	81	1303
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A terminal neptunium(V)â€“mono(oxo) complex. Nature Chemistry, 2022, 14, 342-349.	6.6	19
2	Reply to: [{Th(C8H8)Cl2}3]2â^' is stable but not aromatic. Nature, 2022, 603, E21-E22.	13.7	9
3	A Series of Rareâ€Earth Mesoionic Carbene Complexes. Chemistry - A European Journal, 2022, , .	1.7	1
4	Uraniumâ€“nitride chemistry: uraniumâ€“uranium electronic communication mediated by nitride bridges. Dalton Transactions, 2022, 51, 8855-8864.	1.6	4
5	Carbene Complexes of Neptunium. Journal of the American Chemical Society, 2022, 144, 9764-9774.	6.6	7
6	Mesoionic Carbene Complexes of Uranium(IV) and Thorium(IV). Organometallics, 2022, 41, 1353-1363.	1.1	2
7	The â€œHiddenâ€•Reductive [2+2+1]â€‰Cycloaddition Chemistry of 2â€‰Phosphaethynolate Revealed by Reduction of a Thâ€‰OCP Linkage. Angewandte Chemie - International Edition, 2021, 60, 1197-1202.	7.2	10
8	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
9	The â€œHiddenâ€•Reductive [2+2+1]â€‰Cycloaddition Chemistry of 2â€‰Phosphaethynolate Revealed by Reduction of a Thâ€‰OCP Linkage. Angewandte Chemie, 2021, 133, 1217-1222.	1.6	2
10	Fragmentation, catenation, and direct functionalisation of white phosphorus by a uranium(<scp>iv</scp>)â€“silylâ€“phosphinoâ€“carbene complex. Chemical Communications, 2021, 57, 5090-5093.	2.2	5
11	Dipnictogen f-Element Chemistry: A Diphosphorus Uranium Complex. Journal of the American Chemical Society, 2021, 143, 5343-5348.	6.6	18
12	Synthesis and Characterisation of Molecular Polarised-Covalent Thorium-Rhenium and -Ruthenium Bonds. Inorganics, 2021, 9, 30.	1.2	8
13	²⁹Si NMR Spectroscopy as a Probe of s- and f-Block Metal(II)â€“Silanide Bond Covalency. Journal of the American Chemical Society, 2021, 143, 9813-9824.	6.6	11
14	Anomalous magnetism of uranium(IV)-oxo and -imido complexes reveals unusual doubly degenerate electronic ground states. CheM, 2021, 7, 1666-1680.	5.8	22
15	Evidence for ligand- and solvent-induced disproportionation of uranium(IV). Nature Communications, 2021, 12, 4832.	5.8	13
16	A crystalline tri-thorium cluster with Ïƒ-aromatic metalâ€“metal bonding. Nature, 2021, 598, 72-75.	13.7	52
17	fâ€Element Halfâ€Sandwich Complexes: A Tetrasilylcyclobutadienylâ€“Uranium(IV)â€“Tris(tetrahydroborate) Anion Pianostool Complex. Angewandte Chemie - International Edition, 2020, 59, 295-299.	7.2	30
18	fâ€Element Halfâ€Sandwich Complexes: A Tetrasilylcyclobutadienylâ€“Uranium(IV)â€“Tris(tetrahydroborate) Anion Pianostool Complex. Angewandte Chemie, 2020, 132, 301-305.	1.6	8

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19	Bridged and Unbridged Nickelâ€“Nickel Bonds Supported by Cyclopentadienyl and Phosphine Ligand Sets. Organometallics, 2020, 39, 4735-4746.	1.1	7
20	Polarised covalent thorium(<scp>iv</scp>)â€“ and uranium(<scp>iv</scp>)â€“silicon bonds. Chemical Communications, 2020, 56, 12620-12623.	2.2	11
21	The ditungsten decacarbonyl dianion. Dalton Transactions, 2020, 49, 9330-9335.	1.6	3
22	Nature of the Arsoniumâ€Ylide Ph₃As=CH₂ and a Uranium(IV) Arsoniumâ€“Carbene Complex. Angewandte Chemie - International Edition, 2020, 59, 15870-15874.	7.2	25
23	Nature of the Arsoniumâ€Ylide Ph 3 As=CH 2 and a Uranium(IV) Arsoniumâ€“Carbene Complex. Angewandte Chemie, 2020, 132, 16004-16008.	1.6	8
24	Heteroleptic actinocenes: a thorium(<scp>iv</scp>)â€“cyclobutadienylâ€“cyclooctatetraenylâ€“di-potassium-cyclooctatetraenyl complex. Chemical Science, 2020, 11, 6789-6794.	3.7	14
25	A Uranium(VI)â€“Oxo-Imido Dimer Complex Derived from a Sterically Demanding Triamidoamine. Inorganic Chemistry, 2020, 59, 10034-10041.	1.9	7
26	Terminal uranium(V)-nitride hydrogenations involving direct addition or Frustrated Lewis Pair mechanisms. Nature Communications, 2020, 11, 337.	5.8	45
27	Synthesis and Characterization of an Oxo-Centered Homotrimetallic Uranium(IV)â€“Cyclobutadienyl Dianion Complex. Organometallics, 2020, 39, 1824-1831.	1.1	11
28	Back-bonding between an electron-poor, high-oxidation-state metal and poor Ï€-acceptor ligand in a uranium(v)â€“dinitrogen complex. Nature Chemistry, 2019, 11, 806-811.	6.6	47
29	Trapping of a Highly Bent and Reduced Form of 2â€Phosphaethynolate in a Mixedâ€Valence Diuraniumâ€“Triamidoamine Complex. Angewandte Chemie, 2019, 131, 10321-10325.	1.6	7
30	Photolytic and Reductive Activations of 2â€Arsaethynolate in a Uraniumâ€“Triamidoamine Complex: Decarbonylative Arsenicâ€Group Transfer Reactions and Trapping of a Highly Bent and Reduced Form. Chemistry - A European Journal, 2019, 25, 14246-14252.	1.7	18
31	Preparation of Heterobimetallic Ketimido-Actinide-Molybdenum Complexes. Inorganic Chemistry, 2019, 58, 13077-13089.	1.9	8
32	Thorium-nitrogen multiple bonds provide evidence for pushing-from-below for early actinides. Nature Communications, 2019, 10, 4203.	5.8	29
33	Trapping of a Highly Bent and Reduced Form of 2â€Phosphaethynolate in a Mixedâ€Valence Diuraniumâ€“Triamidoamine Complex. Angewandte Chemie - International Edition, 2019, 58, 10215-10219.	7.2	24
34	Bimetallic Cooperative Cleavage of Dinitrogen to Nitride and Tandem Frustrated Lewis Pair Hydrogenation to Ammonia. Angewandte Chemie, 2019, 131, 6746-6749.	1.6	6
35	Bimetallic Cooperative Cleavage of Dinitrogen to Nitride and Tandem Frustrated Lewis Pair Hydrogenation to Ammonia. Angewandte Chemie - International Edition, 2019, 58, 6674-6677.	7.2	42
36	Thorium- and uranium-azide reductions: a transient dithorium-nitride versus isolable diuranium-nitrides. Chemical Science, 2019, 10, 3738-3745.	3.7	42

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37	Emergence of the structure-directing role of f-orbital overlap-driven covalency. Nature Communications, 2019, 10, 634.	5.8	50
38	A Very Short Uranium(IV)â€“Rhodium(I) Bond with Net Doubleâ€Dative Bonding Character. Angewandte Chemie - International Edition, 2018, 57, 6587-6591.	7.2	53
39	Catalytic Dinitrogen Reduction to Ammonia at a Triamidoamineâ€“Titanium Complex. Angewandte Chemie - International Edition, 2018, 57, 6314-6318.	7.2	113
40	Actinideâ€“Pnictide (Anâ”Pn) Bonds Spanning Nonâ€Metal, Metalloid, and Metal Combinations (An=U, Th;) Tj ETQq0 0 0 rgBT /Overloc	1.6	11
41	Catalytic Dinitrogen Reduction to Ammonia at a Triamidoamineâ€“Titanium Complex. Angewandte Chemie, 2018, 130, 6422-6426.	1.6	26
42	Silylâ€Phosphinoâ€Carbene Complexes of Uranium(IV). Angewandte Chemie, 2018, 130, 5604-5609.	1.6	10
43	Silylâ€Phosphinoâ€Carbene Complexes of Uranium(IV). Angewandte Chemie - International Edition, 2018, 57, 5506-5511.	7.2	43
44	Thorium(IV) alkyl synthesis from a thorium(III) cyclopentadienyl complex and an N-heterocyclic olefin. Journal of Organometallic Chemistry, 2018, 857, 75-79.	0.8	9
45	Actinideâ€“Pnictide (Anâ”Pn) Bonds Spanning Nonâ€Metal, Metalloid, and Metal Combinations (An=U, Th;) Tj ETQq1 1 0.784314 rgB	7.2	53
46	Actinide-transition metal bonding in heterobimetallic uraniumâ€“ and thoriumâ€“molybdenum paddlewheel complexes. Chemical Communications, 2018, 54, 13515-13518.	2.2	32
47	A Very Short Uranium(IV)â€“Rhodium(I) Bond with Net Doubleâ€Dative Bonding Character. Angewandte Chemie, 2018, 130, 6697-6701.	1.6	19
48	Uranium(III)-carbon multiple bonding supported by arene Î´-bonding in mixed-valence hexauranium nanometre-scale rings. Nature Communications, 2018, 9, 2097.	5.8	43
49	Uranyl-tri-bis(silyl)amide Alkali Metal Contact and Separated Ion Pair Complexes. Inorganic Chemistry, 2018, 57, 6571-6583.	1.9	13
50	Triamidoamine thorium-arsenic complexes with parent arsenide, arsinidiide and arsenido structural motifs. Nature Communications, 2017, 8, 14769.	5.8	50
51	Terminal Parent Phosphanide and Phosphinidene Complexes of Zirconium(IV). Angewandte Chemie - International Edition, 2017, 56, 7669-7673.	7.2	33
52	Terminal Parent Phosphanide and Phosphinidene Complexes of Zirconium(IV). Angewandte Chemie, 2017, 129, 7777-7781.	1.6	9
53	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
54	Crystalline Diuranium Phosphinidiide and Î¼â€Phosphido Complexes with Symmetric and Asymmetric UPU Cores. Angewandte Chemie, 2017, 129, 10631-10636.	1.6	21

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55	Crystalline Diuranium Phosphinidiide and Î¼â€Phosphido Complexes with Symmetric and Asymmetric UPU Cores. Angewandte Chemie - International Edition, 2017, 56, 10495-10500.	7.2	62
56	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
57	Yttrium Methanide and Methanediide Bis(silyl)amide Complexes. Organometallics, 2017, 36, 4584-4590.	1.1	17
58	Evidence for single metal two electron oxidative addition and reductive elimination at uranium. Nature Communications, 2017, 8, 1898.	5.8	32
59	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
60	Molecular and electronic structure of terminal and alkali metal-capped uranium(V) nitride complexes. Nature Communications, 2016, 7, 13773.	5.8	82
61	Uraniumâ€“Carbeneâ€“Imido Metallaâ€Allenes: Ancillaryâ€Ligandâ€Controlled cisâ€/transâ€Isomerisation and Assessment of trans Influence in the R₂C=U^{IV}=NRâ€² Unit (R=Ph₂PNSiMe₃;) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.7	37
62	Thoriumâ€“phosphorus triamidoamine complexes containing Thâ€“P single- and multiple-bond interactions. Nature Communications, 2016, 7, 12884.	5.8	87
63	Neptunium and plutonium complexes with a sterically encumbered triamidoamine (TREN) scaffold. Chemical Communications, 2016, 52, 5428-5431.	2.2	26
64	Isolation of Elusive HAsAsH in a Crystalline Diuranium(IV) Complex. Angewandte Chemie - International Edition, 2015, 54, 15250-15254.	7.2	50
65	Isolation of Elusive HAsAsH in a Crystalline Diuranium(IV) Complex. Angewandte Chemie, 2015, 127, 15465-15469.	1.6	16
66	Covalent Uranium Carbene Chemistry. Comments on Inorganic Chemistry, 2015, 35, 262-294.	3.0	44
67	Synthesis and characterisation of halide, separated ion pair, and hydride cyclopentadienyl iron bis(diphenylphosphino)ethane derivatives. Dalton Transactions, 2015, 44, 14159-14177.	1.6	15
68	Comments on reactions of oxide derivatives of uranium with hexachloropropene to give UCl₄. New Journal of Chemistry, 2015, 39, 7559-7562.	1.4	26
69	Î²-Diketiminate Derivatives of Alkali Metals and Uranium. Organometallics, 2013, 32, 5058-5070.	1.1	27
70	Synthesis and Characterisation of Lanthanide N-Trimethylsilyl and -Mesityl Functionalised Bis(iminophosphorano)methanides and -Methanediides. Inorganics, 2013, 1, 46-69.	1.2	18
71	Group 1 Bis(iminophosphorano)methanides, Part 2:N-Aryl Derivatives of the Sterically Demanding Methanes H2C(PPh2NR)2(R = 2,4,6-trimethylphenyl or 2,6-diisopropylphenyl). Organometallics, 2011, 30, 5326-5337.	1.1	22
72	Group 1 Bis(iminophosphorano)methanides, Part 1: N-Alkyl and Silyl Derivatives of the Sterically Demanding Methanes H₂C(PPh₂NR)₂ (R = Adamantyl and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	28

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73	Early metal bis(phosphorus-stabilised)carbene chemistry. Chemical Society Reviews, 2011, 40, 2164.	18.7	153
74	A Monomeric Dilithio Methandiide with a Distorted transâ€Planar Fourâ€Coordinate Carbon. Angewandte Chemie - International Edition, 2010, 49, 5570-5573.	7.2	59
75	Synthesis and Characterization of Dysprosium and Lanthanum Bis(iminophosphorano)methanide and -methanediide Complexes. Organometallics, 2010, 29, 2315-2321.	1.1	51
76	Lanthanide tri-benzyl complexes: structural variations and useful precursors to phosphorus-stabilised lanthanide carbenes. Dalton Transactions, 2010, 39, 500-510.	1.6	100
77	Heteroleptic [M(CH₂C₆H₅)₂(I)(THF)₃] Complexes (M = Y or Er): Remarkably Stable Precursors to Yttrium and Erbium T-Shaped Carbenes. Organometallics, 2009, 28, 6771-6776.	1.1	64
78	Heterogeneous catalysts for the controlled ring-opening polymerisation of rac-lactide and homogeneous silsesquioxane model complexes. Dalton Transactions, 2008, , 3655.	1.6	22
79	Bis(phosphorus-stabilised)methanide and methandiide derivatives of group 1–5 and f-element metals. Organometallic Chemistry, 0, , 29-55.	0.6	47