

F Geoffrey N Cloke

List of Publications by Year in descending order

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docs citations

103
times ranked

2389
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Arene Complexes of the Group 3 Metals and Lanthanides. , 2022, , 405-459. | | 1 |
| 2 | Reactions of a Bis(pentalene)ditanium complex with alkenes; the molecular structure of the butadiene complex [Ti ₂ (μ: 1,5,1,5-Pn)2(1/4: 1,2,1,2-s-trans-C4H6)] (Pn=1,4-(Si Pr ₃) ₂ -C ₈ H ₄). Polyhedron, 2022, 210, 115574. | 6.6 | 18 |
| 3 | Ethene Activation and Catalytic Hydrogenation by a Low-Valent Uranium Pentalene Complex. Journal of the American Chemical Society, 2020, 142, 89-92. | 1.6 | 19 |
| 4 | The experimental determination of Th(IV)/Th(III) redox potentials in organometallic thorium complexes. Dalton Transactions, 2019, 48, 10782-10784. | 1.1 | 7 |
| 5 | Comparison of the Reactivity of the Low Buried-Volume Carbene Complexes (ITMe) ₂ Pd(PhC≡C)CPh and (ITMe) ₂ Pd(PhN=NPh). Organometallics, 2018, 37, 1214-1218. | 0.8 | 19 |
| 6 | Sterically encumbered mixed sandwich compounds of uranium(III): Synthesis and reactivity with small molecules. Journal of Organometallic Chemistry, 2018, 857, 110-122. | 0.8 | 16 |
| 7 | Mixed sandwich imido complexes of Uranium(V) and Uranium(IV): Synthesis, structure and redox behaviour. Journal of Organometallic Chemistry, 2018, 857, 25-33. | 1.6 | 6 |
| 8 | Bis(pentalene)ditanium chemistry: C-H, C-X and H-H bond activation. Dalton Transactions, 2018, 47, 14531-14539. | 2.2 | 36 |
| 9 | Single-molecule magnet properties of a monometallic dysprosium pentalene complex. Chemical Communications, 2018, 54, 7085-7088. | 2.2 | 10 |
| 10 | Activation of carbon suboxide (C ₃ O ₂) by U(III) to form a cyclobutane-1,3-dione ring. Chemical Communications, 2018, 54, 8830-8833. | 3.7 | 11 |
| 11 | Trimerisation of carbon suboxide at a di-titanium centre to form a pyrone ring system. Chemical Science, 2018, 9, 5008-5014. | 1.1 | 37 |
| 12 | Carbon Dioxide Activation by a Uranium(III) Complex Derived from a Chelating Bis(aryloxy) Ligand. Organometallics, 2017, 36, 4539-4545. | 1.1 | 13 |
| 13 | Reactivity of a Ditanium Bis(pentalene) Complex toward Heteroallenes and Main-Group Element-Element Bonds. Organometallics, 2017, 36, 352-362. | 1.6 | 13 |
| 14 | A base-free synthetic route to anti-bimetallic lanthanide pentalene complexes. Dalton Transactions, 2017, 46, 5587-5597. | 9.5 | 40 |
| 15 | Bonding in pentalene complexes and their recent applications. Coordination Chemistry Reviews, 2017, 344, 238-262. | 2.2 | 11 |
| 16 | C-H and H-H activation at a di-titanium centre. Chemical Communications, 2017, 53, 13117-13120. | 1.0 | 3 |
| 17 | Complexes of iron(II) with silylated pentalene ligands; building blocks for homo- and heterobimetallics. Polyhedron, 2016, 116, 26-37. | 3.7 | 64 |
| 18 | Steric control of redox events in organo-uranium chemistry: synthesis and characterisation of U(V) oxo and nitrido complexes. Chemical Science, 2016, 7, 4624-4632. | | |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Frontispiz: Synthesis of an [(NHC) ₂ Pd(SiMe ₃) ₂] Complex and Catalyticcis-Bis(silyl)ations of Alkynes with Unactivated Disilanes. <i>Angewandte Chemie</i> , 2015, 127, n/a-n/a. | 1.6 | 0 |
| 20 | Frontispiece: Synthesis of an [(NHC) ₂ Pd(SiMe ₃) ₂] Complex and Catalyticcis-Bis(silyl)ations of Alkynes with Unactivated Disilanes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, n/a-n/a. | 7.2 | 0 |
| 21 | Synthesis and Reactivity of a Mixed-Sandwich Uranium(IV) Primary Amido Complex. <i>Organometallics</i> , 2015, 34, 2102-2105. | 1.1 | 26 |
| 22 | Mixed sandwich thorium complexes incorporating bis(tri-isopropylsilyl)cyclooctatetraenyl and pentamethylcyclopentadienyl ligands: synthesis, structure and reactivity. <i>Dalton Transactions</i> , 2015, 44, 2588-2596. | 1.6 | 28 |
| 23 | The Reductive Activation of CO ₂ Across a Ti=Ti Double Bond: Synthetic, Structural, and Mechanistic Studies. <i>Organometallics</i> , 2015, 34, 4816-4829. | 1.1 | 36 |
| 24 | Bonding in Complexes of Bis(pentalene)ditanium, Ti ₂ (C ₈ H ₆) ₂ . <i>Organometallics</i> , 2015, 34, 4830-4843. | 1.1 | 20 |
| 25 | Synthesis of an [(NHC) ₂ Pd(SiMe ₃) ₂] Complex and Catalytic cis-Bis(silyl)ations of Alkynes with Unactivated Disilanes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5578-5582. | 7.2 | 76 |
| 26 | Activation of carbon dioxide by new mixed sandwich uranium(III) complexes incorporating cyclooctatetraenyl and pyrrolide, phospholide, or arsolide ligands. <i>New Journal of Chemistry</i> , 2015, 39, 7602-7607. | 1.4 | 22 |
| 27 | Formation of cyanates in low-valent uranium chemistry: a synergistic experimental/theoretical study. <i>Dalton Transactions</i> , 2014, 43, 11202-11208. | 1.6 | 18 |
| 28 | Reductive deoxygenation of CO ₂ by a bimetallic titanium bis(pentalene) complex. <i>Chemical Communications</i> , 2014, 50, 2769-2771. | 2.2 | 32 |
| 29 | Bis(pentalene)di-titanium: a bent double-sandwich complex with a very short Ti=Ti bond. <i>Chemical Communications</i> , 2013, 49, 9434. | 2.2 | 29 |
| 30 | Steric Effects in the Reductive Coupling of CO by Mixed-Sandwich Uranium(III) Complexes. <i>Organometallics</i> , 2013, 32, 1353-1362. | 1.1 | 77 |
| 31 | Synthesis and CO ₂ Insertion Chemistry of Uranium(IV) Mixed-Sandwich Alkyl and Hydride Complexes. <i>Organometallics</i> , 2013, 32, 5244-5252. | 1.1 | 39 |
| 32 | The First Example of the Two-Electron Reduction of a Phosphaalkyne – Synthesis and Structural Characterisation of the Diuranium(IV) Pentalene Complex [(U ^{IV}) ₂ (C ₅ Me ₅) ₂]{iPr ₃ SiC ₈ H ₄ (SiPr ₃) ₃ } European Journal of Inorganic Chemistry, 2013, 2013, 4085-4089. | 1.0 | 17 |
| 33 | Computational insight into the reductive oligomerisation of CO at uranium(III) mixed-sandwich complexes. <i>Chemical Communications</i> , 2012, 48, 4118. | 2.2 | 34 |
| 34 | Double-Sandwich Pentalene Complexes M ₂ (pent ²⁻) ₂ (M = Rh, Pd); Tj ETQqO O O rgBT /Overlock <i>Organometallics</i> , 2012, 31, 8613-8617. | 1.1 | 18 |
| 35 | Activation of P ₄ by U(η ⁵ -C ₅ Me ₅)(η ⁸ -C ₈ H ₆ (SiPr ₃) _{2-1,4})(THF); the X-ray structure of [U(η ⁵ -C ₅ Me ₅)(η ⁸ -C ₈ H ₆ (SiPr ₃) _{2-1,4}) ₂ (η ^{1/4} -1:2:1:2-P ₄)]. <i>New Journal of Chemistry</i> , 2011, 35, 2022. | 1.4 | 47 |
| 36 | Reductive coupling of carbon monoxide by U(III) complexes – a computational study. <i>Dalton Transactions</i> , 2011, 40, 11080. | 1.6 | 22 |

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|----|--|-----|-----------|
| 37 | Facile Conversion of CO/H ₂ into Methoxide at a Uranium(III) Center. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6881-6883. | 7.2 | 63 |
| 38 | U ^{III} -Induced Reductive Co-Coupling of NO and CO to Form U ^{IV} Cyanate and Oxo Derivates. <i>Chemistry - A European Journal</i> , 2010, 16, 9446-9448. | 1.7 | 49 |
| 39 | Tris(pyrazolyl)borate half-sandwich complexes of trivalent uranium incorporating the [C ₈ H ₆ {SiPr ₃ -1,4}2] ²⁻ and [C ₈ H ₄ {SiPr ₃ -1,4}2] ²⁻ ligands. <i>Comptes Rendus Chimie</i> , 2010, 13, 812-820. | 0.2 | 13 |
| 40 | Carbon-Silicon Bond Activation by [Pd(ItBu) ₂] - the Molecular Structures of [Pd(Me ₃ Si)(ItBu)(η -1)] ₂ and [Pd(CH ₂ ItBu)I ₂]. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1844-1850. | 1.0 | 17 |
| 41 | Anti-Bimetallic Complexes of Divalent Lanthanides with Silylated Pentalene and Cyclooctatetraenyl Bridging Ligands as Molecular Models for Lanthanide-Based Polymers. <i>Organometallics</i> , 2009, 28, 5896-5908. | 1.1 | 49 |
| 42 | Syntheses, structural studies, photoelectron spectra and density functional theory calculations of the η -pseudo-tetraphospha-metallocenes [M(η -P ₂ C ₃ Bu ₃) ₂] ₂ , (M = Ni, Pd, Pt). <i>Dalton Transactions</i> , 2009, , 1164-1171. | 1.6 | 4 |
| 43 | Synthesis and structural characterisation of lanthanide and actinide phosphoorganometallic complexes derived from the 3,5-di-tert-butyl-1,2,4-triphospholyl ring anion, P ₃ C ₂ But ²⁻ : Crystal and molecular structures of [M(η -5-P ₃ C ₂ But) ₂ (η -2-P ₃ C ₂ But ₂)] (M=Sc, Y, Tm, and U). <i>Journal of Organometallic Chemistry</i> , 2008, 693, 2287-2292. | 0.8 | 21 |
| 44 | A Dichromium(II) Bis(η -pentalene) Double-Sandwich Complex with a Spin Equilibrium: Synthetic, Structural, Magnetic, and Theoretical Studies. <i>Organometallics</i> , 2008, 27, 2013-2020. | 1.1 | 33 |
| 45 | Activation of Small Molecules by U(III) Cyclooctatetraene and Pentalene Complexes. <i>Structure and Bonding</i> , 2008, , 87-117. | 1.0 | 56 |
| 46 | Activation and reduction of diethyl ether by low valent uranium: formation of the trimetallic, mixed valence uranium oxo species [U(CpRR ²)(η -1)] ₂ (η -3-O) (CpRR ² = C ₅ Me ₅ , C ₅ Me ₄ H, C ₅ H ₄ SiMe ₃). <i>Chemical Communications</i> , 2008, , 82-84. | 2.2 | 42 |
| 47 | Reductive disproportionation of carbon dioxide to carbonate and squarate products using a mixed-sandwich U(η - ⁱⁱⁱ) complex. <i>Chemical Communications</i> , 2008, , 198-200. | 2.2 | 50 |
| 48 | Mechanistic Studies on the Reductive Cyclooligomerisation of CO by U(III) Mixed Sandwich Complexes; the Molecular Structure of | | |

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|----|---|-----|-----------|
| 55 | The organometallic chemistry of pentalene. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1122-1140. | 9.5 | 107 |
| 56 | Efficiency of Two-Coordinate Palladium(0) N-Heterocyclic Carbene Complexes in Amination and Suzuki-Miyaura Reactions of Aryl Chlorides. <i>ChemInform</i> , 2006, 37, no. | 0.1 | 0 |
| 57 | Reductive Cyclotrimerization of Carbon Monoxide to the Deltate Dianion by an Organometallic Uranium Complex. <i>Science</i> , 2006, 311, 829-831. | 6.0 | 267 |
| 58 | On the efficiency of two-coordinate palladium(0) N-heterocyclic carbene complexes in amination and Suzuki-Miyaura reactions of aryl chlorides. <i>Tetrahedron</i> , 2005, 61, 9710-9715. | 1.0 | 69 |
| 59 | Structural studies of Group 1 metal 4-azapentalenyl complexes. <i>Dalton Transactions</i> , 2005, , 1157. | 1.6 | 6 |
| 60 | Metal-vapour synthesis of phospho-organometallic compounds: reaction of nickel atoms with the phospho-alkyne tBuCP. Structural characterisation of $[\text{Ni}(\text{P}(\text{C}(\text{tBu})_2)_2)(\text{P}(\text{C}(\text{tBu})_2)_2)]$, a derivative of the novel, aromatic phosphirenium cation. <i>Comptes Rendus Chimie</i> , 2004, 7, 931-940. | 0.2 | 11 |
| 61 | Unusual Reactivity of a Nickel N-Heterocyclic Carbene Complex: tert-Butyl Group Cleavage and Silicone Grease Activation. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5824-5827. | 7.2 | 165 |
| 62 | Mononuclear tantalum (V) pentalene complexes: synthesis of $[\text{Ta}\{\text{1-8-C}_8\text{H}_4(1,4\text{-SiPr}_3)_2\}\text{X}_3]$ (X=CH ₃ , Cl, I) and the X-ray crystal structures of $[\text{Ta}\{\text{1-8-C}_8\text{H}_4(1,4\text{-SiPr}_3)_2\}(\text{CH}_3)_3]$, $[\text{Ta}\{\text{1-8-C}_8\text{H}_4(1,4\text{-SiPr}_3)_2\}(\text{CH}_3)_2\text{Cl}]$, $[\text{Ta}\{\text{1-8-C}_8\text{H}_4(1,4\text{-SiPr}_3)_2\}(\text{CH}_3)\text{Cl}_2]$ and $[\text{Ta}\{\text{1-8-C}_8\text{H}_4(1,4\text{-SiPr}_3)_2\}_3]$. <i>Polyhedron</i> , 2004, 23, 2625-2630. | 1.0 | 17 |
| 63 | Yttrium complexes incorporating the chelating diamides $\{\text{ArN}(\text{CH}_2)_x\text{NAr}\}_2$ (Ar = C ₆ H ₃ -2,6-iPr ₂ , x = 2, 3) and their unusual reaction with phenylsilane. <i>Dalton Transactions</i> , 2004, , 1083-1096. | 1.6 | 44 |
| 64 | Electronic Structure of $[\text{U}_2(\text{1-4-N}_2)(\text{1-5-C}_5\text{Me}_5)_2(\text{1-8-C}_8\text{H}_4(\text{SiPr}_3)_2)_2]$. <i>Organometallics</i> , 2004, 23, 832-835. | 1.1 | 52 |
| 65 | Studies on high-temperature amination reactions of aromatic chlorides using discrete Palladium-N-Heterocyclic Carbene (NHC) complexes and in situ palladium/imidazolium salt protocols. <i>Molecular Diversity</i> , 2003, 7, 115-123. | 2.1 | 25 |
| 66 | Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 1068-1071. | 1.6 | 14 |
| 67 | Stabilization of Low-Oxidation-State Early Transition-Metal Complexes Bearing 1,2,4-Triphosphacyclopentadienyl Ligands: Structure of $[\{\text{Sc}(\text{P}(\text{C}(\text{tBu})_2)_2)_2\}_2]$; ScII or Mixed Oxidation State?. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1038-1041. | 7.2 | 52 |
| 68 | Synthetic, Structural, and Mechanistic Studies on the Oxidative Addition of Aromatic Chlorides to a Palladium (N-Heterocyclic Carbene) Complex: A Relevance to Catalytic Amination. <i>Journal of the American Chemical Society</i> , 2003, 125, 10066-10073. | 6.6 | 142 |
| 69 | Reversible Binding and Reduction of Dinitrogen by a Uranium(III) Pentalene Complex. <i>Journal of the American Chemical Society</i> , 2002, 124, 9352-9353. | 6.6 | 164 |
| 70 | Yttrium iodide and bis(trimethylsilyl)methyl complexes of the chelating diamide $[\text{ArN}(\text{CH}_2)_3\text{NAr}]_2$ (Ar = Tj ETQq0.0.0 rgBT / Overlock 10 | 2.3 | 30 |
| 71 | The First Example of Simple Oxidative Addition of an Aryl Chloride to a Discrete Palladium N-Heterocyclic Carbene Amination Precatalyst. <i>Organometallics</i> , 2002, 21, 4318-4319. | 1.1 | 93 |
| 72 | A study of the molecular and electronic structure of iron(II) and ruthenium(II) 1,3-di- and 1,2,4-tri-phospholyl sandwich compounds by photoelectron spectroscopy and density functional theory. <i>Dalton Transactions RSC</i> , 2001, , 1013-1022. | 2.3 | 28 |

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|----|---|-----|-----------|
| 73 | Unexpected reactivity of two-coordinate palladium σ -carbene complexes; synthetic and catalytic implications. <i>Chemical Communications</i> , 2001, , 1388-1389. | 2.2 | 153 |
| 74 | Organometallic pentalene complexes. <i>Pure and Applied Chemistry</i> , 2001, 73, 233-238. | 0.9 | 52 |
| 75 | A study of the molecular and electronic structures of the indium(I) phospholyls [In(η -5-P2C3But3)] and [In(η -5-P3C2But2)] by X-ray diffraction, photoelectron spectroscopy and density functional theory. <i>Dalton Transactions RSC</i> , 2000, , 1715-1721. | 2.3 | 31 |
| 76 | Synthesis, crystal and molecular structures of the novel, structurally different, cage compounds P6C4But4SiI2 and P6C4But4GeI2, resulting from intra-molecular coupling of two 1,2,4-triphospholyl rings. <i>Chemical Communications</i> , 2000, , 879-880. | 2.2 | 18 |
| 77 | Syntheses of complexes containing the novel 1,2,3-azadiphosphole and 1,2,5-azadiphosphole ring | | |

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|----|--|------|-----------|
| 91 | The first mononuclear η^8 -coordinated pentalene complex: synthesis and molecular structure of $[\text{Ta}(\eta^8\text{-C}_8\text{H}_4(\text{SiMe}_3)_{2-1,4})\text{Cl}_3]$. <i>Chemical Communications</i> , 1997, , 1541-1542. | 2.2 | 34 |
| 92 | An experimental and theoretical investigation of the electronic structure of Pd and Pt bis(carbene) complexes. <i>Chemical Communications</i> , 1997, , 1963. | 2.2 | 133 |
| 93 | A New Class of Actinide η^8 -Sandwich Complexes: Synthesis and Molecular Structure of a Thorium Bis(η^8 -pentalene) Complex. <i>Journal of the American Chemical Society</i> , 1997, 119, 7899-7900. | 6.6 | 47 |
| 94 | The First Example of a Formal Scandium(I) Complex: Synthesis and Molecular Structure of a 22-Electron Scandium Triple Decker Incorporating the Novel 1,3,5-Triphosphenylbenzene Ring. <i>Journal of the American Chemical Society</i> , 1996, 118, 7630-7631. | 6.6 | 134 |
| 95 | Synthesis and Characterization of the First Compounds Containing a Stable Phosphirenyl Cation: Crystal and Molecular Structure of $[\text{Ni}(\eta^3\text{-PC}_2\text{tBu}_2)(\eta^5\text{-P}_3\text{C}_2\text{tBu}_2)\text{W}(\text{CO})_5]$. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 2330-2332. | 4.4 | 40 |
| 96 | Zero oxidation state compounds of scandium, yttrium, and the lanthanides. <i>Chemical Society Reviews</i> , 1993, 22, 17. | 18.7 | 170 |
| 97 | η^8 -Arene complexes of scandium(0) and scandium(II). <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 1372-1373. | 2.0 | 50 |
| 98 | On the stability and bonding in bis(η^8 -arene)lanthanide complexes. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 53-55. | 2.0 | 76 |