

Christopher A Russell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8580003/publications.pdf>

Version: 2024-02-01

68
papers

2,768
citations

172457

29
h-index

189892

50
g-index

76
all docs

76
docs citations

76
times ranked

2051
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Gold-Catalyzed Direct Arylation. <i>Science</i> , 2012, 337, 1644-1648. | 12.6 | 361 |
| 2 | Gold-Catalyzed Oxidative Coupling of Arylsilanes and Arenes: Origin of Selectivity and Improved Precatalyst. <i>Journal of the American Chemical Society</i> , 2014, 136, 254-264. | 13.7 | 215 |
| 3 | Cationic Au(I) alkyne complexes: synthesis, structure and reactivity. <i>Chemical Communications</i> , 2010, 46, 2313. | 4.1 | 141 |
| 4 | Arylsilanes: Application to Gold-Catalyzed Oxyarylation of Alkenes. <i>Organic Letters</i> , 2010, 12, 4724-4727. | 4.6 | 139 |
| 5 | Au-Catalyzed Biaryl Coupling To Generate 5- to 9-Membered Rings: Turnover-Limiting Reductive Elimination versus η^2 -Complexation. <i>Journal of the American Chemical Society</i> , 2017, 139, 245-254. | 13.7 | 127 |
| 6 | Oxidative Addition, Transmetalation, and Reductive Elimination at a $2,2'$ -Bipyridyl-Ligated Gold Center. <i>Journal of the American Chemical Society</i> , 2018, 140, 4440-4445. | 13.7 | 95 |
| 7 | Oxidative 1,2-Difunctionalization of Ethylene via Gold-Catalyzed Oxyarylation. <i>Journal of the American Chemical Society</i> , 2017, 139, 12386-12389. | 13.7 | 88 |
| 8 | Gold-Catalyzed Oxyarylation of Styrenes and Mono- and <i>gem</i> -Disubstituted Olefins Facilitated by an Iodine(III) Oxidant. <i>Chemistry - A European Journal</i> , 2012, 18, 2931-2937. | 3.3 | 80 |
| 9 | Synthesis and structural characterisation of stable cationic gold(I) alkene complexes. <i>Chemical Communications</i> , 2009, , 3877. | 4.1 | 79 |
| 10 | Hydrogen Activation by an Aromatic Triphosphabenzene. <i>Journal of the American Chemical Society</i> , 2014, 136, 13453-13457. | 13.7 | 71 |
| 11 | A Transient Vinylphosphinidene via a Phosphirene-Phosphinidene Rearrangement. <i>Journal of the American Chemical Society</i> , 2018, 140, 147-150. | 13.7 | 57 |
| 12 | Magnetic emulsions with responsive surfactants. <i>Soft Matter</i> , 2012, 8, 7545. | 2.7 | 56 |
| 13 | Selective Preparation of the $[3,5\text{-tBu}_2\text{-1,2,4-C}_2\text{P}_3]$ Ion and Synthesis and Structure of the Cationic Species nido- $[3,5\text{-tBu}_2\text{-1,2,4-C}_2\text{P}_3]$, Isoelectronic with $[\text{C}_5\text{R}_5]$. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2778-2782. | 13.8 | 54 |
| 14 | A Tetrakis(imido) Phosphate Anion Isoelectronic with PO_4^{3-} . <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 649-650. | 4.4 | 51 |
| 15 | Imido analogues of p-block oxoanions. <i>Coordination Chemistry Reviews</i> , 2002, 227, 217-232. | 18.8 | 50 |
| 16 | A New Method for the Synthesis of Heterometallic Complexes: Syntheses and Structures of $[(\text{PhCH}_2\text{CH}_2\text{NLi})_3\text{Sb}(\text{thf})_2]$ and $[\text{Sb}_3(\text{cyN})_4(\text{NMe}_2)_2]\text{Li}$. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 1277-1279. | 4.4 | 47 |
| 17 | Synthesis, Structure and Reactivity of Stable Homoleptic Gold(I) Alkene Cations. <i>Chemistry - A European Journal</i> , 2009, 15, 12196-12200. | 3.3 | 47 |
| 18 | The Interaction of Gold(I) Cations with 1,3-Dienes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7592-7595. | 13.8 | 46 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Neue Methode zur Synthese von Heterometallkomplexen – Synthesen und Strukturen von $[(\text{PhCH}_2)_2\text{CH}_2\text{N}(\text{Li})_3\text{Sb}(\text{thf})_2]$ und $[\text{Sb}_3(\text{cyN})_4(\text{NMe}_2)_2]\text{Li}$. <i>Angewandte Chemie</i> , 1994, 106, 1334-1336. | 2.0 | 44 |
| 20 | Oxidative Addition of Alkenyl and Alkynyl Iodides to a Au Complex. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6617-6621. | 13.8 | 41 |
| 21 | A Selective Synthesis of the 1,3,4-Triphospholide Anion. <i>Organometallics</i> , 2005, 24, 5789-5791. | 2.3 | 38 |
| 22 | White phosphorus as a ligand for the coinage metals. <i>Chemical Communications</i> , 2012, 48, 1970. | 4.1 | 38 |
| 23 | Structure and bonding in the isoelectronic series $\text{C}_n\text{H}_n\text{P}_5^{n+}$: is phosphorus a carbon copy?. <i>Dalton Transactions</i> , 2004, , 2080-2086. | 3.3 | 37 |
| 24 | Evidence for a $\text{S}_\text{N}2$ -Type Pathway for Phosphine Exchange in Phosphine-Phosphenium Cations, $[\text{R}_2\text{P}^+\text{PR}_2]^+$. <i>Chemistry - A European Journal</i> , 2007, 13, 6967-6974. | 3.3 | 36 |
| 25 | A Main-Group Analogue of Housene: The Subtle Influence of the Inert-Pair Effect in Group 15 Clusters. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6685-6689. | 13.8 | 35 |
| 26 | Cationic phosphorus-carbon-pnictogen cages isolobal to $[\text{C}_5\text{R}_5]^+$. <i>Chemical Communications</i> , 2006, , 1375. | 4.1 | 33 |
| 27 | From the tetra(amino) phosphonium cation, $[\text{P}(\text{NHPh})_4]^+$, to the tetra(imino) phosphate trianion, $[\text{P}(\text{NPh})_4]^{3-}$, two-faced ligands that bind anions and cations. <i>Dalton Transactions</i> , 2004, , 989-995. | 3.3 | 32 |
| 28 | 1,2-Diphosphenobenzene as a synthon for the 1,2,3-triphospha- and 2-arsa-1,3-diphosphaindenyl anions and a stable organo derivative of the P8 unit of Hittorf's phosphorus. <i>Chemical Communications</i> , 2008, , 856. | 4.1 | 32 |
| 29 | 1,3,5-Triphosphabenzene: Synthesis, reactivity and theory. <i>Coordination Chemistry Reviews</i> , 2015, 297-298, 146-167. | 18.8 | 32 |
| 30 | Synthesis of Poly(alkyl/arylphosphazenes) via the Ambient Temperature Phosphite-Mediated Chain-Growth Polycondensation of (N-Silyl)bromophosphoranimines. <i>Macromolecules</i> , 2010, 43, 7446-7452. | 4.8 | 31 |
| 31 | Cyclopropenylidene Carbene Ligands in Palladium C-N Coupling Catalysis. <i>Organometallics</i> , 2007, 26, 4702-4703. | 2.3 | 29 |
| 32 | Facile preparation of trimethylsilylphosphaalkyne and its conversion to polyphospholide anions. <i>Comptes Rendus Chimie</i> , 2010, 13, 1073-1081. | 0.5 | 25 |
| 33 | Coordination chemistry of trimethylsilylphosphaalkyne: a phosphaalkyne bearing a reactive substituent. <i>Dalton Transactions</i> , 2012, 41, 14360. | 3.3 | 25 |
| 34 | The coordination and polymerisation of cyclic 1,3-dienes by gold(i) cations. <i>Chemical Communications</i> , 2012, 48, 1060-1062. | 4.1 | 25 |
| 35 | Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 2884-2888. | 2.0 | 24 |
| 36 | Computation provides chemical insight into the diverse hydride NMR chemical shifts of $[\text{Ru}(\text{NHC})_4(\text{L})\text{H}]^+$ species (NHC = N-heterocyclic carbene; L = vacant.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i> | 3.3 | 22 |
| | $[\text{Ru}(\text{R})_2\text{PCH}_2\text{CH}_2\text{PR}_2(\text{L})\text{H}]^+$ congeners. <i>Dalton Transactions</i> , 2017, 46, 2861-2873. | | |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | A New Reaction Pathway in Organophosphorus Chemistry: Competing SN2 and AE ² Pathways for Nucleophilic Attack at a Phosphorus-Carbon Cage Compound. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3628-3631. | 13.8 | 21 |
| 38 | Erweiterung der Käfigstruktur von [(CyNLi) ₃ Sb] ₂ ; Synthese und Struktur des Trimetallkomplexes [(CyNLi) ₃ Sb] ₂ (<i>tert</i> -BuOK) ₃ · <i>n</i> C ₆ H ₅ CH ₃]. <i>Angewandte Chemie</i> , 1995, 107, 1088-1089. | 2.0 | 20 |
| 39 | Cage Expansion of [(CyNLi) ₃ Sb] ₂ ; Synthesis and Structure of the Trimetallic Complex [(CyNLi) ₃ Sb] ₂ (<i>t</i> BuOK) ₃ · <i>n</i> C ₆ H ₅ CH ₃ . <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1012-1013. | 4.4 | 19 |
| 40 | Phosphacycles as Building Blocks for Main Group Cages. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3481-3484. | 13.8 | 18 |
| 41 | Synthesis and structure of a tris imido phosphonate anion; the missing link in imido analogues of phosphorus oxoanions. <i>Chemical Communications</i> , 2000, , 1769-1770. | 4.1 | 16 |
| 42 | Cationic Gold(I) Complexes of 2,4,6-Tri- <i>tert</i> -butyl-1,3,5-triphosphaebene. <i>Organometallics</i> , 2012, 31, 2543-2545. | 2.3 | 15 |
| 43 | A Systematic Study of the Effects of Complex Structure on Aryl Iodide Oxidative Addition at Bipyridyl-Ligated Gold(I) Centers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24976-24983. | 13.8 | 15 |
| 44 | Syntheses and X-ray crystal structures of tris(imido)arsenate anions. <i>Dalton Transactions RSC</i> , 2001, , 423-426. | 2.3 | 13 |
| 45 | Primary amido substituted diborane(4) compounds and imidodiborate(4) anions. <i>Dalton Transactions</i> , 2005, , 3137. | 3.3 | 13 |
| 46 | New Adventures in the Molecular Chemistry of Phosphorus. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4895-4897. | 13.8 | 13 |
| 47 | The surprising and stereoselective formation of P ₂ C ₁₀ cages by the reduction of Cp*PCl ₂ . <i>Chemical Communications</i> , 2006, , 4542. | 4.1 | 12 |
| 48 | Probing the Structure, Dynamics, and Bonding of Coinage Metal Complexes of White Phosphorus. <i>Chemistry - A European Journal</i> , 2016, 22, 5397-5403. | 3.3 | 12 |
| 49 | Pi ^{1/2} P, a Laboratory Reagent?. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9572-9573. | 13.8 | 11 |
| 50 | Hydroboration of Phosphaalkynes by HB(C ₆ F ₅) ₂ . <i>Chemistry - A European Journal</i> , 2016, 22, 12665-12669. | 3.3 | 11 |
| 51 | Nucleophilic substitution reactions of the tricyclic triphosphorus cage P ₃ (CBut) ₂ : a novel route to polyphosphorus phosphonium complexes. <i>Dalton Transactions</i> , 2008, , 3422. | 3.3 | 10 |
| 52 | Promotion of phosphaalkyne cyclooligomerisation by a Sb(v) to Sb(iii) redox process. <i>Dalton Transactions</i> , 2008, , 3753. | 3.3 | 10 |
| 53 | A Proton-Triggered Cascade Reaction Involving a Heavy p-Block Multiple Bond: Transformation of the Diphosphene C ₅ Me ₅ P=PC ₅ Me ₅ into the Cationic Cage [C ₁₀ Me ₁₀ P ₂ H] ⁺ . <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 4511-4515. | 2.0 | 9 |
| 54 | Synthesis and crystal structure of Sb(Ni ⁺ CPh ₂) ₃ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 2257-2258. | 1.1 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Heterobimetallic lithium alkyltriumido aluminate cages containing the $[R\text{-}Al(NR)_3]_4^{4-}$ tetraanion ($R = Et, Ph$) $Tj\text{-}ETQ_4$ 1.0784314 rgB | 4.1 | 7 |
| 56 | Gold(I) Complexes of Phosphaalkynes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 1783-1787. | 2.0 | 7 |
| 57 | Oxidative Addition of Alkenyl and Alkynyl Iodides to a Au I Complex. <i>Angewandte Chemie</i> , 2020, 132, 6679-6683. | 2.0 | 7 |
| 58 | Synthetic and Structural Studies of Cyclodistib(V)azanes. <i>Inorganic Chemistry</i> , 2005, 44, 5495-5500. | 4.0 | 6 |
| 59 | Synthesis and X-ray structure of a complex containing the trisimido borate trianion—the imido analogue of the orthoborate trianion. <i>Polyhedron</i> , 2002, 21, 549-552. | 2.2 | 5 |
| 60 | Multiple bonding versus cage formation in organophosphorus compounds: the gas-phase structures of tricyclo-P3(CBut)2Cl and P_3C_4 But determined by electron diffraction and computational methods. <i>Dalton Transactions</i> , 2011, 40, 5611. | 3.3 | 5 |
| 61 | Phosphaalkynes. , 2012, , 343-354. | | 5 |
| 62 | Syntheses and structures of bis(imido)organophosphine dianions. <i>Canadian Journal of Chemistry</i> , 2002, 80, 1458-1462. | 1.1 | 4 |
| 63 | Evidence for a $S\text{-}N_2$ -type pathway in the exchange of phosphines at a $[PhSe]^{2+}$ centre. <i>Dalton Transactions</i> , 2015, 44, 110-118. | 3.3 | 4 |
| 64 | A bis(imido)organoarsenate dianion incorporating n-butyllithium. <i>Dalton Transactions</i> , 2003, , 2103. | 3.3 | 3 |
| 65 | Ortho-metallation of a phenyl ring with antimony(V). <i>Inorganica Chimica Acta</i> , 2007, 360, 418-420. | 2.4 | 3 |
| 66 | Hydrofunctionalisation of an Aromatic Triphosphabenzene. <i>Chemistry - A European Journal</i> , 2019, 25, 12507-12511. | 3.3 | 3 |
| 67 | Lithium—nitrogen and lithium—boron—nitrogen cage compounds formed using the phenylhydrazido backbone. <i>Dalton Transactions</i> , 2006, , 1234-1238. | 3.3 | 2 |
| 68 | A Systematic Study of the Effects of Complex Structure on Aryl Iodide Oxidative Addition at Bipyridyl-Ligated Gold(I) Centers. <i>Angewandte Chemie</i> , 0, , . | 2.0 | 2 |