Reactivity of Gold Complexes towards Elementary Orga

Angewandte Chemie - International Edition
54, 15022-15045
DOI: 10.1002/anie.201506271

Citation Report

#	Article	IF	Citations
2	Domino Meyerâ€“Schuster/Arylation Reaction of Alkynols or Alkynyl Hydroperoxides with Diazonium Salts Promoted by Visible Light under Dual Gold and Ruthenium Catalysis. Advanced Synthesis and Catalysis, 2016, 358, 1526-1533.	2.1	71
3	Oxidative Addition to Gold(I) by Photoredox Catalysis: Straightforward Access to Diverse (C,N)â€Cyclometalated Gold(III) Complexes. Chemistry - A European Journal, 2016, 22, 11587-11592.	1.7	78
4	Experimental and Theoretical Evidence for an Agostic Interaction in a Gold(III) Complex. Angewandte Chemie, 2016, 128, 3475-3479.	1.6	24
5	Experimental and Theoretical Evidence for an Agostic Interaction in a Gold(III) Complex. Angewandte Chemie - International Edition, 2016, 55, 3414-3418.	7.2	68
6	Design and Synthesis of Alanine Triazole Ligands and Application in Promotion of Hydration, Allene Synthesis and Borrowing Hydrogen Reactions. Advanced Synthesis and Catalysis, 2016, 358, 1433-1439.	2.1	74
8	Gold-Nanoparticle-Catalyzed Silaboration of Oxetanes and Unactivated Epoxides. Organometallics, 2016, 35, 3895-3902.	1.1	22
9	A general access to organogold(<scp>iii</scp>) complexes by oxidative addition of diazonium salts. Chemical Communications, 2016, 52, 6435-6438.	2.2	170
10	Room temperature hydroamination of alkynes with anilines catalyzed by anti-Bredt di(amino)carbene gold(i) complexes. New Journal of Chemistry, 2016, 40, 5993-5996.	1.4	17
11	Access to the Parent Tetrakis(pyridine)gold(III) Trication, Facile Formation of Rare Au(III) Terminal Hydroxides, and Preliminary Studies of Biological Properties. Inorganic Chemistry, 2016, 55, 2830-2839.	1.9	12
12	Bis-phosphine allene ligand: coordination chemistry and preliminary applications in catalysis. Chemical Communications, 2016, 52, 6785-6788.	2.2	18
13	Gold carbenes, gold-stabilized carbocations, and cationic intermediates relevant to gold-catalysed enyne cycloaddition. Chemical Society Reviews, 2016, 45, 4533-4551.	18.7	232
14	Stereoâ€•and Regioselective Alkyne Hydrometallation with Gold(III) Hydrides. Angewandte Chemie - International Edition, 2016, 55, 12321-12324.	7.2	49
15	Stereoâ€•and Regioselective Alkyne Hydrometallation with Gold(III) Hydrides. Angewandte Chemie, 2016, 128, 12509-12512.	1.6	15
16	Thiolate-protected Gold Nanoclusters Au₂₅(phenylethanethiol)₁₈: An Efficient Catalyst for the Synthesis of Propargylamines from Aldehydes, Amines, and Alkynes. Chemistry Letters, 2016, 45, 1457-1459.	0.7	28
17	Dioxygen insertion into the gold(<scp>i</scp>)â€“hydride bond: spin orbit coupling effects in the spotlight for oxidative addition. Chemical Science, 2016, 7, 7034-7039.	3.7	33
18	Synthesis of Au^Iâ€•and Au^{III}â€Bis(NHC) Complexes: Ligand Influence on Oxidative Addition to Au^I Species. European Journal of Inorganic Chemistry, 2016, 2016, 4111-4122.	1.0	33
19	Fluorine and Gold: A Fruitful Partnership. Chemical Reviews, 2016, 116, 11924-11966.	23.0	177
20	Î²-Hydride Elimination at Low-Coordinate Gold(III) Centers. Journal of the American Chemical Society, 2016, 138, 11920-11929.	6.6	63

#	Article	IF	Citations
21	Between Adamantane and Atrane: Intrabridgehead Interactions in the Cageâ€Like Phosphane Related to a Novel Tris(homoadamantane) Ring System. Chemistry - A European Journal, 2016, 22, 14227-14235.	1.7	17
22	Nucleophilic T-Shaped (LXL)Au(I)-Pincer Complexes: Protonation and Alkylation. Journal of the American Chemical Society, 2016, 138, 15873-15876.	6.6	56
23	Scope and Mechanism of Cooperativity at the Intersection of Organometallic and Supramolecular Catalysis. Journal of the American Chemical Society, 2016, 138, 9682-9693.	6.6	86
24	Gold-catalysed cross-coupling between aryldiazonium salts and arylboronic acids: probing the usefulness of photoredox conditions. Chemical Communications, 2016, 52, 10040-10043.	2.2	66
25	Lewis Acid Catalysis with Cationic Dinuclear Gold(II,II) and Gold(III,III) Phosphorus Ylide Complexes. Organometallics, 2016, 35, 2830-2835.	1.1	23
26	Amino and Alkyl B-Substituted P-Stabilized Borenium Salts. Organometallics, 2016, 35, 3788-3794.	1.1	15
27	Synthesis and catalytic applications of 1,2,3-triazolylidene gold(<scp>i</scp>) complexes in silver-free oxazoline syntheses and Câ€“H bond activation. Dalton Transactions, 2016, 45, 14591-14602.	1.6	48
28	Gold-catalyzed bis(stannylation) of propiolates. Organic Chemistry Frontiers, 2016, 3, 856-860.	2.3	13
29	Synthesis of Hemilabile Cyclic (Alkyl)(amino)carbenes (CAACs) and Applications in Organometallic Chemistry. Journal of the American Chemical Society, 2016, 138, 7884-7887.	6.6	116
31	Cationic BPIâ€Gold(III) Complexes: Controlling Ligating and Nonligating Anions. European Journal of Inorganic Chemistry, 2016, 2016, 1184-1191.	1.0	15
32	CNRS Silver and Bronze Medals 2016 / Izattâ€“Christensen Award: H.â€…F. Sleiman / Cram Lehn Pedersen Prize: I. Aprahamian. Angewandte Chemie - International Edition, 2016, 55, 6819-6820.	7.2	0
33	Coordinationâ€“Insertion of Norbornene at Gold: A Mechanistic Study. Organometallics, 2016, 35, 995-1001.	1.1	31
34	A Cationic Unsaturated Platinum(II) Complex that Promotes the Tautomerization of Acetylene to Vinylidene. Angewandte Chemie - International Edition, 2017, 56, 2772-2775.	7.2	13
35	Direct and Autocatalytic Reductive Elimination from Gold Complexes ([(Ph₃P)Au(Ar)(CF₃)(X)], X=F, Cl, Br, I): The Key Role of Halide Ligands. Chemistry - A European Journal, 2017, 23, 4169-4179.	1.7	31
36	A Cationic Unsaturated Platinum(II) Complex that Promotes the Tautomerization of Acetylene to Vinylidene. Angewandte Chemie, 2017, 129, 2816-2819.	1.6	3
37	Controlled Interconversion of a Dinuclear Au Species Supported by a Redoxâ€Active Bridging PNP Ligand Facilitates Ligandâ€toâ€Gold Electron Transfer. Chemistry - A European Journal, 2017, 23, 5585-5594.	1.7	21
38	Gold(<scp>iii</scp>)â€“arene complexes by insertion of olefins into goldâ€“aryl bonds. Chemical Science, 2017, 8, 4539-4545.	3.7	56
39	Oxidative Functionalization of Late Transition Metalâ€“Carbon Bonds. Advances in Organometallic Chemistry, 2017, , 221-297.	0.5	5

#	Article	IF	Citations
40	Goldâ€Catalyzed Cycloisomerizations of Functionalyzed Cyclopropyl Alkynes: the Cases of Carboxamides and Alcohols. Advanced Synthesis and Catalysis, 2017, 359, 3035-3051.	2.1	13
41	Goldâ€Nanoparticleâ€Catalyzed Mild Diboration and Indirect Silaboration of Alkynes without the Use of Silylboranes. European Journal of Organic Chemistry, 2017, 2017, 4265-4271.	1.2	18
42	Some insights into the gold-catalysed A 3 -coupling reaction. Journal of Organometallic Chemistry, 2017, 846, 251-262.	0.8	28
43	Photopromoted Entry to Benzothiophenes, Benzoselenophenes, 3Hâ€Indoles, Isocoumarins, Benzosultams, and (Thio)flavones by Goldâ€Catalyzed Arylative Heterocyclization of Alkynes. Advanced Synthesis and Catalysis, 2017, 359, 2640-2652.	2.1	56
44	Formation of Gold(III) Alkyls from Gold Alkoxide Complexes. Organometallics, 2017, 36, 1358-1364.	1.1	16
45	Anionic Derivatives of Perfluorinated Trimethylgold. Chemistry - A European Journal, 2017, 23, 6919-6929.	1.7	24
46	Au-Catalyzed Biaryl Coupling To Generate 5- to 9-Membered Rings: Turnover-Limiting Reductive Elimination versus Ï€-Complexation. Journal of the American Chemical Society, 2017, 139, 245-254.	6.6	127
47	Gold(<scp>i</scp>)-catalyzed 6-endo-dig azideâ€“yne cyclization: efficient access to 2H-1,3-oxazines. Chemical Communications, 2017, 53, 736-739.	2.2	52
48	Selective Reduction of CO₂ to a Formate Equivalent with Heterobimetallic Goldâ€â€‰â€â€‰â€Copper Hydride Complexes. Angewandte Chemie - International Edition, 2017, 56, 15127-15130.	7.2	33
49	Selective Reduction of CO₂ to a Formate Equivalent with Heterobimetallic Goldâ€â€‰â€â€‰â€Copper Hydride Complexes. Angewandte Chemie, 2017, 129, 15323-15326.	1.6	11
50	A Nucleophilic Gold(III) Carbene Complex. Angewandte Chemie, 2017, 129, 12432-12435.	1.6	13
51	Oxidative 1,2-Difunctionalization of Ethylene via Gold-Catalyzed Oxyarylation. Journal of the American Chemical Society, 2017, 139, 12386-12389.	6.6	88
52	The First Gold(III) Formate: Evidence for Î²â€Hydride Elimination. Angewandte Chemie, 2017, 129, 13042-13045.	1.6	16
53	Parameterization of Acyclic Diaminocarbene Ligands Applied to a Gold(I)-Catalyzed Enantioselective Tandem Rearrangement/Cyclization. Journal of the American Chemical Society, 2017, 139, 12943-12946.	6.6	82
54	Gold(III) Alkyne Complexes: Bonding and Reaction Pathways. Angewandte Chemie - International Edition, 2017, 56, 13861-13865.	7.2	50
55	Catalytic domino amination and oxidative coupling of gold acetylides and isolation of key vinylene digold intermediates as a new class of ditopic N-heterocyclic carbene complexes. Chemical Communications, 2017, 53, 10835-10838.	2.2	12
56	The First Gold(III) Formate: Evidence for Î²â€Hydride Elimination. Angewandte Chemie - International Edition, 2017, 56, 12862-12865.	7.2	44
57	Rational development of catalytic Au(I)/Au(III) arylation involving mild oxidative addition of aryl halides. Nature Communications, 2017, 8, 565.	5.8	199

#	Article	IF	Citations
58	Well-Defined Chiral Gold(III) Complex Catalyzed Direct Enantioconvergent Kinetic Resolution of 1,5-Enynes. Journal of the American Chemical Society, 2017, 139, 11016-11019.	6.6	91
59	Structure and reactivity of a mononuclear gold(II) complex. Nature Chemistry, 2017, 9, 1249-1255.	6.6	60
60	A Nucleophilic Gold(III) Carbene Complex. Angewandte Chemie - International Edition, 2017, 56, 12264-12267.	7.2	43
61	The ligand effect on the oxidative addition of dioxygen to gold(<scp>i</scp>)â€“hydride complexes. Dalton Transactions, 2017, 46, 11679-11690.	1.6	19
62	C(sp²)â€“C(sp²) Reductive Elimination from Well-Defined Diarylgold(III) Complexes. Organometallics, 2017, 36, 4727-4740.	1.1	31
63	Goldâ€Photoredoxâ€Cocatalyzed Tandem Oxycyclization/Coupling Sequence of Allenols and Diazonium Salts with Visible Light Mediation. Advanced Synthesis and Catalysis, 2017, 359, 2789-2800.	2.1	36
64	Cyclometallierte Au^{III}â€Komplexe: Synthese, ReaktivitÃt und physikalischâ€chemische Eigenschaften. Angewandte Chemie, 2017, 129, 2024-2046.	1.6	52
65	Cyclometalated Gold(III) Complexes: Synthesis, Reactivity, and Physicochemical Properties. Angewandte Chemie - International Edition, 2017, 56, 1994-2015.	7.2	157
66	Gold-Catalyzed Access to 1H-Isochromenes: Reaction Development and Mechanistic Insight. ACS Catalysis, 2017, 7, 380-387.	5.5	40
67	Gold(III) Alkyne Complexes: Bonding and Reaction Pathways. Angewandte Chemie, 2017, 129, 14049-14053.	1.6	12
68	New bipyridine gold(III) dithiocarbamate-containing complexes exerted a potent anticancer activity against cisplatin-resistant cancer cells independent of p53 status. Oncotarget, 2017, 8, 490-505.	0.8	61
69	Direct formation of Au(iii) acetyl, alkoxyl and alkynyl functionalities via halide free tricationic Au(iii) precursors. Dalton Transactions, 2018, 47, 4228-4235.	1.6	6
70	Stereospecific Protodeauration/Transmetalation Generating Configurationally Stable Pâ€Metalated Nucleoside Derivatives. European Journal of Organic Chemistry, 2018, 2018, 2167-2170.	1.2	6
71	Reductive Elimination Leading to Câ^'C Bond Formation in Gold(III) Complexes: A Mechanistic and Computational Study. Chemistry - A European Journal, 2018, 24, 8893-8903.	1.7	28
72	Carbonâ€“sulfur bond formation by reductive elimination of gold(<scp>iii</scp>) thiolates. Dalton Transactions, 2018, 47, 6333-6343.	1.6	24
73	Synthesis and Characterization of Stable Gold(III) PNP Pincer Complexes. European Journal of Inorganic Chemistry, 2018, 2018, 3113-3117.	1.0	7
74	Gold(III) Complexes for Antitumor Applications: An Overview. Chemistry - A European Journal, 2018, 24, 11840-11851.	1.7	103
75	Chirale Gold(III)â€Komplexe: neue Perspektiven in der asymmetrischen Katalyse. Angewandte Chemie, 2018, 130, 392-394.	1.6	20

#	Article	IF	Citations
76	Migratory Insertion of Carbenes into Au(III)â€“C Bonds. Journal of the American Chemical Society, 2018, 140, 466-474.	6.6	35
77	A Gold(III) Pincer Ligand Scaffold for the Synthesis of Binuclear and Bioconjugated Complexes: Synthesis and Anticancer Potential. Chemistry - A European Journal, 2018, 24, 3613-3622.	1.7	29
78	Chiral Phosphineâ€“Phosphite Ligands in Asymmetric Gold Catalysis: Highly Enantioselective Synthesis of Furo[3,4â€‹d]â€Tetrahydropyridazine Derivatives through [3+3]â€Cycloaddition. Chemistry - A European Journal, 2018, 24, 2379-2383.	1.7	43
79	Gold(i)-catalyzed cross-coupling reactions of aryldiazonium salts with organostannanes. Organic and Biomolecular Chemistry, 2018, 16, 2865-2869.	1.5	40
80	Cyclometalated gold(<scp>iii</scp>) complexes: noticeable differences between (N,C) and (P,C) ligands in migratory insertion. Chemical Science, 2018, 9, 3932-3940.	3.7	36
81	Oxidative Addition, Transmetalation, and Reductive Elimination at a 2,2â€²-Bipyridyl-Ligated Gold Center. Journal of the American Chemical Society, 2018, 140, 4440-4445.	6.6	95
82	Di(N-heterocyclic carbene) gold(III) imidate complexes obtained by oxidative addition of N-halosuccinimides. Journal of Organometallic Chemistry, 2018, 866, 144-152.	0.8	8
83	Where does Au coordinate to N-(2-pyridiyl)benzotriazole: gold-catalyzed chemoselective dehydrogenation and borrowing hydrogen reactions. Organic Chemistry Frontiers, 2018, 5, 203-209.	2.3	58
84	Gold-catalyzed preparation of annelated 2-azetidinones via divergent heterocyclization of enyne-tethered oxazolidines. Organic Chemistry Frontiers, 2018, 5, 817-821.	2.3	6
85	Wellâ€Defined Chiral Gold(III) Complexes: New Opportunities in Asymmetric Catalysis. Angewandte Chemie - International Edition, 2018, 57, 386-388.	7.2	60
86	A square planar gold(iii) bis-(1,1â€²-dimethyl-3,3â€²-methylene-diimidazol-2,2â€²-diylidene) trication as an efficient and selective receptor towards halogen anions: the cooperative effect of Auâ‹¯X and Xâ‹¯HC interactions. Dalton Transactions, 2018, 47, 935-945.	1.6	12
87	Goldâ€Catalyzed Divergent Ringâ€Closing Modes of Indoleâ€Tethered Amino Allenynes. Chemistry - A European Journal, 2018, 24, 1448-1454.	1.7	6
88	Infrared Spectroscopy of Au+(CH4) n Complexes and Vibrationally-Enhanced Câ€“H Activation Reactions. Topics in Catalysis, 2018, 61, 81-91.	1.3	15
89	Mechanistic and asymmetric investigations of the Au-catalysed cross-coupling between aryldiazonium salts and arylboronic acids using (P,N) gold complexes. Chemical Communications, 2018, 54, 12867-12870.	2.2	34
90	Au(<scp>i</scp>)-Catalyzed hydroarylation of alkenes with N,N-dialkylanilines: a dual gold catalysis concept. Catalysis Science and Technology, 2018, 8, 6486-6492.	2.1	21
91	Empirical Estimation of the Molecular Weight of Gold Complexes in Solution by Pulsed-Field Gradient NMR. Organometallics, 2018, 37, 4692-4698.	1.1	7
92	Photoreduction of Thioether Gold(III) Complexes: Mechanistic Insight and Homogeneous Catalysis. Chemistry - A European Journal, 2018, 24, 18779-18787.	1.7	11
93	The Difluoromethylated Organogold(III) Complex cis-[Au(PCy3)(4-F-C6H4)(CF2H)(Cl)]: Preparation, Characterization, and Its C(sp2)â€“CF2H Reductive Elimination. Organometallics, 2018, 37, 3901-3908.	1.1	21

#	Article	IF	Citations
94	Synthesis of a (N,C,C) Au(<scp>iii</scp>) pincer complex via C_{sp3}â€“H bond activation: increasing catalyst robustness by rational catalyst design. Chemical Communications, 2018, 54, 11104-11107.	2.2	20
95	Isocyanide insertion into Auâ€“H bonds: first gold iminoformyl complexes. Chemical Communications, 2018, 54, 11447-11450.	2.2	6
96	Acridine-decorated cyclometallated gold(<scp>iii</scp>) complexes: synthesis and anti-tumour investigations. Dalton Transactions, 2018, 47, 13523-13534.	1.6	17
97	Organometallic Gold(III) Reagents for Cysteine Arylation. Journal of the American Chemical Society, 2018, 140, 7065-7069.	6.6	148
98	Formation of a peri â€Bridged Phosphonioâ€Naphthalene by Cuâ€Mediated Phosphineâ€“Aryl Coupling. Chemistry - A European Journal, 2018, 24, 11922-11925.	1.7	9
99	Visible light mediated desilylative C(sp²)â€“C(sp²) cross-coupling reactions of arylsilanes with aryldiazonium salts under Au(<scp>i</scp>)/Au(<scp>iii</scp>) catalysis. Chemical Communications, 2018, 54, 7223-7226.	2.2	56
100	Recent Advances in Transition-Metal-Catalyzed/Mediated Transformations of Vinylidenecyclopropanes. Accounts of Chemical Research, 2018, 51, 1667-1680.	7.6	42
101	Gold(I)â€catalyzed Benzylation of (Hetero)aryl Boronic Acids with (Hetero)benzyl Bromides by the Strategy of a S_N2â€type Reaction. Chemistry - an Asian Journal, 2018, 13, 2791-2795.	1.7	2
102	(P,C) Cyclometalated Gold(III) Complexes: Highly Active Catalysts for the Hydroarylation of Alkynes. Angewandte Chemie, 2018, 130, 11906-11910.	1.6	10
103	Gold with +4 and +6 Oxidation States in AuF₄ and AuF₆. Journal of the American Chemical Society, 2018, 140, 9545-9550.	6.6	80
104	(P,C) Cyclometalated Gold(III) Complexes: Highly Active Catalysts for the Hydroarylation of Alkynes. Angewandte Chemie - International Edition, 2018, 57, 11732-11736.	7.2	46
105	Ligand Effect on Bonding in Gold(III) Carbonyl Complexes. Inorganic Chemistry, 2018, 57, 6161-6175.	1.9	21
106	Gold catalysed Suzuki-Miyaura coupling of arenediazonium o-benzenedisulfonimides. Tetrahedron, 2018, 74, 5758-5769.	1.0	13
107	Asymmetric Synthesis of Dihydropyranones via Gold(I)â€Catalyzed Intermolecular [4+2] Annulation of Propiolates and Alkenes. Angewandte Chemie, 2018, 130, 13314-13318.	1.6	4
108	Oxidant-free oxidative gold catalysis: the new paradigm in cross-coupling reactions. Chemical Communications, 2018, 54, 11069-11083.	2.2	148
109	Asymmetric Synthesis of Dihydropyranones via Gold(I)â€Catalyzed Intermolecular [4+2] Annulation of Propiolates and Alkenes. Angewandte Chemie - International Edition, 2018, 57, 13130-13134.	7.2	25
110	Unlocking Structural Diversity in Gold(III) Hydrides: Unexpected Interplay of cis/trans-Influence on Stability, Insertion Chemistry, and NMR Chemical Shifts. Journal of the American Chemical Society, 2018, 140, 8287-8302.	6.6	53
111	A Carbon-Centered Hexagold(I) Cluster Supported by N-Heterocyclic Carbene Ligands. Organometallics, 2018, 37, 2007-2009.	1.1	36

#	Article	IF	Citations
112	Synthesis, crystal structure, 1H, 13C and 15N NMR studies, and biological evaluation of a new amidrazone-derived Au(III) complex. Journal of Molecular Structure, 2019, 1176, 357-365.	1.8	3
113	Chiral Cyclometalated Oxazoline Gold(III) Complex-Catalyzed Asymmetric Carboalkoxylation of Alkynes. Organic Letters, 2019, 21, 6289-6294.	2.4	34
114	Photosensitized oxidative addition to gold(i) enables alkynylative cyclization of o-alkylnylphenols with iodoalkynes. Nature Chemistry, 2019, 11, 797-805.	6.6	84
115	Gold Catalysis: Fundamentals and Recent Developments. ACS Symposium Series, 2019, , 19-55.	0.5	7
116	Gold-Catalyzed Oxidative Biaryl Cross-Coupling of Organometallics. CheM, 2019, 5, 2718-2730.	5.8	56
117	Stabilized Carbenium Ions as Latent, Zâ€type Ligands. Angewandte Chemie - International Edition, 2019, 58, 18266-18270.	7.2	35
118	Gold-Catalyzed Câ€“H Functionalization with Aryl Germanes. ACS Catalysis, 2019, 9, 9231-9236.	5.5	84
119	Mechanistic Insight Into the AuCN Catalyzed Annulation Reaction of Salicylaldehyde and Aryl Acetylene: Cyanide Ion Promoted Umpolung Hydroacylation/Intramolecular Oxa-Michael Addition Mechanism. Frontiers in Chemistry, 2019, 7, 557.	1.8	3
120	Synthesis, Structure, and Reactivity of an NHC Silyl Gold(I) Complex. Organometallics, 2019, 38, 3494-3497.	1.1	6
121	Ligand-Enabled Gold-Catalyzed C(sp²)â€“N Cross-Coupling Reactions of Aryl Iodides with Amines. Organic Letters, 2019, 21, 8101-8105.	2.4	92
122	Trans Influence of Ligands on the Oxidation of Gold(I) Complexes. Journal of the American Chemical Society, 2019, 141, 17414-17420.	6.6	65
123	Heterolytic bond activation at gold: evidence for gold(<scp>iii</scp>) Hâ€“B, Hâ€“Si complexes, Hâ€“H and Hâ€“C cleavage. Chemical Science, 2019, 10, 2633-2642.	3.7	12
124	Encapsulation of pentazole gold nanoparticles into modified polycyanostyrene and polynitrostyrene microspheres as efficient catalysts for cinnoline synthesis and hydration reaction. Materials Chemistry Frontiers, 2019, 3, 216-223.	3.2	20
125	Mechanism and chemoselectivity origins of bioconjugation of cysteine with Au(<scp>iii</scp>)-aryl reagents. Organic and Biomolecular Chemistry, 2019, 17, 1245-1253.	1.5	15
126	Gold redox catalysis for cyclization/arylation of allylic oximes: synthesis of isoxazoline derivatives. Chemical Communications, 2019, 55, 8150-8153.	2.2	43
127	Synthesis of cationic gold(III) complexes using iodine(III). Journal of Coordination Chemistry, 2019, 72, 1307-1321.	0.8	5
128	Goldâ€Catalyzed C(sp²)â^'C(sp) Coupling by Alkynylation through Oxidative Addition of Bromoalkynes. Chemistry - A European Journal, 2019, 25, 9624-9628.	1.7	47
129	Synthesis and reactivity of [Au(NHC)(Bpin)] complexes. Chemical Communications, 2019, 55, 6799-6802.	2.2	22

#	Article	IF	Citations
130	Cyclometalated Au^{III} Complexes for Cysteine Arylation in Zinc Finger Protein Domains: towards Controlled Reductive Elimination. Chemistry - A European Journal, 2019, 25, 7628-7634.	1.7	53
131	Nanogold(0)-Catalyzed Addition of Heteroelement Ïƒ Linkages to Functional Groups. Synthesis, 2019, 51, 2435-2454.	1.2	23
132	Direct intramolecular carbon(sp²)â€“nitrogen(sp²) reductive elimination from gold(<scp>iii</scp>). Dalton Transactions, 2019, 48, 6273-6282.	1.6	18
133	Controlling the Selectivity Patterns of Au-Catalyzed Cyclizationâ€“Migration Reactions. Organic Letters, 2019, 21, 1555-1558.	2.4	8
134	Gold(<scp>ii</scp>) in redox-switchable gold(<scp>i</scp>) catalysis. Chemical Communications, 2019, 55, 4615-4618.	2.2	29
135	Alkyne Activation with Gold(III) Complexes: A Quantitative Assessment of the Ligand Effect by Charge-Displacement Analysis. Inorganic Chemistry, 2019, 58, 3115-3129.	1.9	18
136	Changing the gold standard. Nature Chemistry, 2019, 11, 199-200.	6.6	8
137	Stabilized Carbenium Ions as Latent, Zâ€type Ligands. Angewandte Chemie, 2019, 131, 18434-18438.	1.6	11
138	Enantioselective arylâ€“aryl coupling facilitated by chiral binuclear gold complexes. Chemical Communications, 2019, 55, 12988-12991.	2.2	18
139	Evidence for genuine hydrogen bonding in gold(I) complexes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 46-51.	3.3	73
140	Chiral Au^Iâ€•and Au^{III}â€Isothiourea Complexes: Synthesis, Characterization and Application. Chemistry - A European Journal, 2019, 25, 1064-1075.	1.7	11
141	Chemistry of gold(I, III) complexes with organic ligands as potential MOCVD precursors for fabrication of thin metallic films and nanoparticles. Coordination Chemistry Reviews, 2019, 380, 58-82.	9.5	20
142	Aurophilicity and Photoluminescence of (6â€Diphenylpnicogenoacenaphthâ€5â€yl)gold Compounds. European Journal of Inorganic Chemistry, 2019, 2019, 647-659.	1.0	12
143	Gold(III) Ï€â€Allyl Complexes. Angewandte Chemie - International Edition, 2020, 59, 1511-1515.	7.2	27
144	Goldâ€Catalyzed Crossâ€Coupling Reactions: An Overview of Design Strategies, Mechanistic Studies, and Applications. Chemistry - A European Journal, 2020, 26, 1442-1487.	1.7	128
145	Au(<scp>i</scp>)/Au(<scp>iii</scp>)-Catalyzed Câ€“N coupling. Chemical Communications, 2020, 56, 94-97.	2.2	90
146	Triflic Acid-Catalyzed Cycloisomerization of 1,6-Enynes: Facile Access to Carbo- and Azaheterocycles. Journal of Organic Chemistry, 2020, 85, 2406-2414.	1.7	3
147	Gold(III) Ï€â€Allyl Complexes. Angewandte Chemie, 2020, 132, 1527-1531.	1.6	6

#	Article	IF	Citations
148	The electrosynthesis of gold(I) complexes: A clean, one-pot method. Electrochemistry Communications, 2020, 110, 106620.	2.3	7
149	An Organometallic Strategy for Assembling Atomically Precise Hybrid Nanomaterials. Journal of the American Chemical Society, 2020, 142, 327-334.	6.6	55
150	Gold-Catalyzed Intramolecular Dearomatization Reactions of Indoles for the Synthesis of Spiroindolenines and Spiroindolines. Organic Letters, 2020, 22, 1233-1238.	2.4	43
151	Gold(I) Complexes Nuclearity in Constrained Ferrocenyl Diphosphines: Dramatic Effect in Goldâ€Catalyzed Enyne Cycloisomerization. Chemistry - an Asian Journal, 2020, 15, 2879-2885.	1.7	11
152	Gold-Catalyzed Conversion of Highly Strained Compounds. Chemical Reviews, 2021, 121, 8685-8755.	23.0	90
153	Intermolecular Alkene Difunctionalization via Goldâ€Catalyzed Oxyarylation. Angewandte Chemie, 2020, 132, 20650-20654.	1.6	11
154	Homogeneous Gold Redox Chemistry: Organometallics, Catalysis, and Beyond. Trends in Chemistry, 2020, 2, 707-720.	4.4	117
155	Simple Mercury-Free Synthesis and Characterization of Symmetric and Unsymmetric Mono- and Dialkynyl (tpy)Au(III) Complexes. Organometallics, 2020, 39, 2830-2837.	1.1	8
156	Intermolecular Alkene Difunctionalization via Goldâ€Catalyzed Oxyarylation. Angewandte Chemie - International Edition, 2020, 59, 20470-20474.	7.2	72
157	Mechanistic Insights into C(sp²)â^'C(sp)N Reductive Elimination from Gold(III) Cyanide Complexes. Angewandte Chemie, 2020, 132, 18037-18042.	1.6	5
158	Organogermanes as Orthogonal Coupling Partners in Synthesis and Catalysis. Accounts of Chemical Research, 2020, 53, 2715-2725.	7.6	72
159	A Digallane Gold Complex with a 12-Electron Auride Center: Synthesis and Computational Studies. Organometallics, 2020, 39, 4372-4379.	1.1	2
160	Recent Advances in Gold(III) Chemistry: Structure, Bonding, Reactivity, and Role in Homogeneous Catalysis. Chemical Reviews, 2021, 121, 8364-8451.	23.0	146
161	Cu-Catalyzed Pâ€“C bond formation/cleavage: straightforward synthesis/ring-expansion of strained cyclic phosphoniums. Dalton Transactions, 2020, 49, 13100-13109.	1.6	5
162	Manganeseâ€“goldâ€“manganese complex with vinylidene and acetylide units. Dalton Transactions, 2020, 49, 17527-17531.	1.6	2
163	Goldâ€Catalyzed 1,2â€Diarylation of Alkenes. Angewandte Chemie, 2020, 132, 11906-11911.	1.6	16
164	Site-selective synthesis of 1,3-dioxin-3-ones via a gold(<scp>i</scp>) catalyzed cascade reaction. Chemical Communications, 2020, 56, 7734-7737.	2.2	4
165	Gold-Catalyzed Alkynylative Meyerâ€“Schuster Rearrangement. Organic Letters, 2020, 22, 4792-4796.	2.4	27

#	Article	IF	Citations
166	Oxidative Addition of Alkenyl and Alkynyl Iodides to a Au I Complex. Angewandte Chemie, 2020, 132, 6679-6683.	1.6	7
167	Goldâ€Catalyzed 1,2â€Diarylation of Alkenes. Angewandte Chemie - International Edition, 2020, 59, 11808-11813.	7.2	93
168	Cyclic (Alkyl)- and (Aryl)-(amino)carbene Coinage Metal Complexes and Their Applications. Chemical Reviews, 2020, 120, 4141-4168.	23.0	196
169	Gold-Catalyzed Chemoselective Couplings of Polyfluoroarenes with Aryl Germanes and Downstream Diversification. Journal of the American Chemical Society, 2020, 142, 7754-7759.	6.6	94
170	Gold Catalyzed Decarboxylative Cross-Coupling of Iodoarenes. Journal of the American Chemical Society, 2020, 142, 13210-13218.	6.6	30
171	Construction of Spironaphthalenones via Gold-Catalyzed Intramolecular Dearomatization Reaction of Î²-Naphthol Derivatives. Organic Letters, 2020, 22, 5861-5865.	2.4	30
172	Mechanistic Insights into C(sp²)â^'C(sp)N Reductive Elimination from Gold(III) Cyanide Complexes. Angewandte Chemie - International Edition, 2020, 59, 17881-17886.	7.2	15
173	Hydride Transfer to Gold: Yes or No? Exploring the Unexpected Versatility of Auâ‹…â‹…â‹…Hâ^'M Bonding in Heterobimetallic Dihydrides. Chemistry - A European Journal, 2020, 26, 8267-8280.	1.7	10
174	Gold compounds for catalysis and metal-mediated transformations in biological systems. Current Opinion in Chemical Biology, 2020, 55, 103-110.	2.8	41
175	Oxidative Addition of Alkenyl and Alkynyl Iodides to a Au^I Complex. Angewandte Chemie - International Edition, 2020, 59, 6617-6621.	7.2	41
176	Carbonâ€“Phosphorus Coupling from C^N Cyclometalated Au^{III} Complexes. Chemistry - A European Journal, 2020, 26, 4226-4231.	1.7	21
177	Pd-Promoted cross coupling of iodobenzene with vinylgold via an unprecedented phenyl transmetalation from Pd to Au. Chemical Communications, 2020, 56, 6213-6216.	2.2	8
178	P,N-Chelated Gold(III) Complexes: Structure and Reactivity. Inorganic Chemistry, 2021, 60, 2847-2855.	1.9	10
179	1,1-Phosphaboration of Cî€,C and Cî€€ bonds at gold. Chemical Communications, 2021, 57, 347-350.	2.2	8
180	Impurities in Organometallic Catalysis. , 2021, , .		1
181	High-Valent Cu, Ag, and Au Coordination Compounds. , 2021, , 474-516.		3
182	The interplay of carbophilic activation and Au(<scp>i</scp>)/Au(<scp>iii</scp>) catalysis: an emerging technique for 1,2-difunctionalization of Câ€“C multiple bonds. Chemical Society Reviews, 2021, 50, 10422-10450.	18.7	101
183	Experimental and theoretical studies on gold(<scp>iii</scp>) carbonyl complexes: reductive C,H- and C,C bond formation. Dalton Transactions, 2021, 50, 8752-8760.	1.6	6

#	Article	IF	Citations
184	Recent Advances in the Development of Chiral Gold Complexes for Catalytic Asymmetric Catalysis. Chemistry - an Asian Journal, 2021, 16, 364-377.	1.7	58
185	Main Avenues in Gold Coordination Chemistry. Chemical Reviews, 2021, 121, 8311-8363.	23.0	99
186	Reductive Câ€“C Coupling from Molecular Au(I) Hydrocarbyl Complexes: A Mechanistic Study. Journal of the American Chemical Society, 2021, 143, 2509-2522.	6.6	7
187	Electrochemical gold redox catalysis for selective oxidative arylation. Green Synthesis and Catalysis, 2021, 2, 82-86.	3.7	31
188	Coupling Reactions Initiated by Oxidative Addition to Au(I) Complexes. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2021, 79, 155-156.	0.0	0
189	Tunable Lightâ€Emission Properties of Solutionâ€Processable Nâ€Heterocyclic Carbene Cyclometalated Gold(III) Complexes for Organic Lightâ€Emitting Diodes. Chemistry - A European Journal, 2021, 27, 7265-7274.	1.7	10
190	Gold-Catalyzed 1,2-Aminoarylation of Alkenes with External Amines. ACS Catalysis, 2021, 11, 4576-4582.	5.5	53
191	C(sp²)â€“X (X = Cl, Br, and I) Reductive Eliminations from Well-Defined Gold(III) Complexes: Concerted or Dissociation Pathways?. Organometallics, 2021, 40, 2231-2239.	1.1	7
192	The Beauty of Gold: Knowledge of Mechanisms Leads to Different Applications of Organogold Compounds in Medicine and Catalysis. Chemistry Letters, 2021, 50, 1516-1522.	0.7	9
193	C(sp²)-CF₃ Reductive Elimination from Well-Defined Argentate(III) Complexes [nBu₄N][Ag(Ar)(CF₃)₃]. Organometallics, 2021, 40, 1713-1718.	1.1	12
194	Dinuclear gold-catalyzed C-H bond functionalization of cyclopropenes. Science China Chemistry, 2021, 64, 1958-1963.	4.2	18
195	Fundamental Basis for Implementing Oxidantâ€Free Au(I)/Au(III) Catalysis. European Journal of Inorganic Chemistry, 2021, 2021, 2556-2569.	1.0	47
196	Gold-to-Boron Aryl Transfer from a T-Shaped Phosphineâ€“Borane Gold(I) Complex. Organometallics, 2021, 40, 2409-2414.	1.1	2
197	Mechanistic Investigation into the Gold-Catalyzed Decarboxylative Cross-Coupling of Iodoarenes. ACS Catalysis, 2021, 11, 9578-9587.	5.5	18
198	Syn-Insertion of Alkynes into Goldâ€“Phosphito Bonds: Stereoselectivity and Reversible Protodeauration. Organometallics, 2021, 40, 2546-2556.	1.1	2
199	Câ^'C Crossâ€Couplings from a Cyclometalated Au(III) CN Complex: Mechanistic Insights and Synthetic Developments. Chemistry - A European Journal, 2021, 27, 14322-14334.	1.7	8
200	Crossâ€Coupling through Ag(I)/Ag(III) Redox Manifold. Chemistry - A European Journal, 2021, 27, 15396-15405.	1.7	11
201	Dinuclear Au(I), Au(II) and Au(III) Complexes with (CF₂)_n Chains: Insights into The Role of Aurophilic Interactions in the Au(I) Oxidation. Chemistry - A European Journal, 2021, 27, 15815-15822.	1.7	5

#	Article	IF	Citations
202	A Systematic Study of the Effects of Complex Structure on Aryl Iodide Oxidative Addition at Bipyridylâ€Ligated Gold(I) Centers. Angewandte Chemie, 0, , .	1.6	2
203	A Systematic Study of the Effects of Complex Structure on Aryl Iodide Oxidative Addition at Bipyridylâ€Ligated Gold(I) Centers. Angewandte Chemie - International Edition, 2021, 60, 24976-24983.	7.2	15
204	Conceptual advances in the preparation and excited-state properties of neutral luminescent (C^N) and (C^C*) monocyclometalated gold(III) complexes. Coordination Chemistry Reviews, 2021, 449, 214182.	9.5	15
205	Synthesis of N-heterocyclic carbene gold(I) complexes. Nature Protocols, 2021, 16, 1476-1493.	5.5	52
206	C H functionalization of alkanes, bactericidal and antiproliferative studies of a gold(III)-phenanthroline complex. Journal of Molecular Structure, 2020, 1222, 128919.	1.8	8
207	Photosensitizer-free visible light-mediated gold-catalysed cis-difunctionalization of silyl-substituted alkynes. Chemical Science, 2017, 8, 7537-7544.	3.7	56
208	Therapeutic potential of dithiocarbamate supported gold compounds. RSC Advances, 2020, 10, 2975-2988.	1.7	37
209	Chelation-assisted Câ€“C bond activation of biphenylene by gold(i) halides. Chemical Science, 2021, 12, 15084-15089.	3.7	4
210	Organo-gold(III) complexes via mechanochemistry in a ball mill. Gold Bulletin, 2022, 55, 15.	1.1	0
211	Gold (I/III)â€Catalyzed Trifluoromethylthiolation and Trifluoromethylselenolation of Organohalides. Angewandte Chemie, 2022, 134, .	1.6	7
212	Gold (I/III)â€Catalyzed Trifluoromethylthiolation and Trifluoromethylselenolation of Organohalides. Angewandte Chemie - International Edition, 2022, 61, .	7.2	42
213	Ferrocenyl Gold Complexes as Efficient Catalysts. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	7
214	Nonclassical carbenes as noninnocent ligands. , 2022, , .		0
215	Biaryl Coupling of Aryldiazonium Salts and Arylboronic Acids Catalysed by Gold. Synthesis, 2022, 54, 5077-5088.	1.2	3
216	Synthesis of Cyclometalated Gold(III) Complexes via Catalytic Rhodium to Gold(III) Transmetalation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	10
217	Density Functional Theory Study of Gold-Catalyzed 1,2-Diarylation of Alkenes: Ï€-Activation versus Migratory Insertion Mechanisms. Journal of Organic Chemistry, 2022, 87, 4078-4087.	1.7	5
218	Synthesis of Cyclometalated Gold(III) Complexes via Catalytic Rhodium to Gold(III) Transmetalation. Angewandte Chemie, 0, , .	1.6	0
219	Construction of Stable Metalâ€“Organic Framework Platforms Embedding N-Heterocyclic Carbene Metal Complexes for Selective Catalysis. Inorganic Chemistry, 2021, 60, 18687-18697.	1.9	3

#	Article	IF	Citations
220	Chiral Hemilabile P,Nâ€Ligandâ€Assisted Gold Redox Catalysis for Enantioselective Alkene Aminoarylation. Chemistry - A European Journal, 2022, 28, .	1.7	31
222	Reactant-induced photoactivation of in situ generated organogold intermediates leading to alkynylated indoles via Csp2-Csp cross-coupling. Nature Communications, 2022, 13, 2295.	5.8	12
223	Orthogonal and Modular Arylation of Alkynylgermanes. ACS Catalysis, 2022, 12, 8048-8054.	5.5	19
224	Pincer and Macrocyclic Pyridylidene Amide (PYA) Au^{III} Complexes. Inorganic Chemistry, 2022, 61, 14038-14045.	1.9	4
225	Organometallic S-arylation Reagents for Rapid PEGylation of Biomolecules. Bioconjugate Chemistry, 2022, 33, 1536-1542.	1.8	7
226	Mechanistic Insights about the Ligandâ€Enabled Oxyâ€arylation/vinylation of Alkenes via Au(I)/Au(III) Catalysis. Chemistry - A European Journal, 2022, 28, .	1.7	11
227	Interfacial electric fields catalyze Ullmann coupling reactions on gold surfaces. Chemical Science, 2022, 13, 10798-10805.	3.7	4
228	Hemilabile MIC^N ligands allow oxidant-free Au(<scp>i</scp>)/Au(<scp>iii</scp>) arylation-lactonization of Î³-alkenoic acids. Chemical Science, 2022, 13, 9351-9360.	3.7	16
229	Understanding the Surprising Oxidation Chemistry of Auâ”OH Complexes. ChemPhysChem, 2023, 24, .	1.0	5
230	Goldâ€Catalyzed Oxyarylation/Hydroxylation of <i>N</i>â€Alkoxypropiolamides for Chemoselective Synthesis of 4â€Arylâ€3â€(2<i>H</i>)â€isoxazolones. Advanced Synthesis and Catalysis, 0, , .	2.1	1
231	Coinage Metal-Catalyzed Asymmetric Reactions of ortho-Alkynylaryl and Heteroaryl Aldehydes and Ketones. Molecules, 2022, 27, 6970.	1.7	4
232	Migratory Insertion of CO into a Auâ€“C Bond. Journal of the American Chemical Society, 2022, 144, 19719-19725.	6.6	13
233	Spectroscopic Manifestations and Implications for Catalysis of Quasiâ€d¹⁰Configurations in Formal Gold(III) Complexes. Angewandte Chemie, 2023, 135, .	1.6	1
234	Spectroscopic Manifestations and Implications for Catalysis of Quasiâ€d10 Configurations in Formal Gold(III) Complexes. Angewandte Chemie - International Edition, 0, , .	7.2	6
235	N-Heterocyclic Carbene Gold Complexes in a Photocatalytic CO₂ Reduction Reaction. Inorganic Chemistry, 2022, 61, 18802-18809.	1.9	8
236	â€˜Optimized routeâ€™ to synthesize isoelectronic and isostructural Au(<scp>iii</scp>)- and Pt(<scp>ii</scp>)-NHC complexes: synthesis, structure, spectral properties, electrochemistry, and molecular docking studies. New Journal of Chemistry, 2022, 47, 284-296.	1.4	2
238	Reductive Elimination Reactions in Gold(III) Complexes Leading to C(sp³)â€“X (X = C, N, P, O,) Tj ETQq0 0 0 rgBT /Overlock 1708-1718.	1.9	5
239	Intimate relationship between Câ€“I reductive elimination, aryl scrambling and isomerization processes in Au(<scp>iii</scp>) complexes. Chemical Communications, 2023, 59, 1975-1978.	2.2	0

#	Article	IF	Citations
240	Heart of gold: enabling ligands for oxidative addition of haloorganics in Au(<scp>i</scp>)/Au(<scp>iii</scp>) catalysed cross-coupling reactions. Organic and Biomolecular Chemistry, 2023, 21, 1629-1646.	1.5	2
241	Ligand-Enabled Gold-Catalyzed C(sp²)â€“O Cross-Coupling Reactions. ACS Catalysis, 2023, 13, 3847-3853.	5.5	12
242	Gold-catalyzed multicomponent reactions. Organic Chemistry Frontiers, 2023, 10, 2359-2384.	2.3	8
243	A hemilabile NHCâ€gold complex and its application to the redox neutral 1,2â€oxyarylation of feedstock alkenes. Angewandte Chemie, 0, , .	1.6	0
244	A Hemilabile NHCâ€Gold Complex and its Application to the Redox Neutral 1,2â€Oxyarylation of Feedstock Alkenes. Angewandte Chemie - International Edition, 2023, 62, .	7.2	7
245	Gold-Catalyzed Heck Reaction. Journal of the American Chemical Society, 2023, 145, 8810-8816.	6.6	21
264	Gold-based multicatalytic systems for enantioselective Câ€“C bond forming reactions. Advances in Catalysis, 2023, , .	0.1	0
267	Unlocking the catalytic potential of gold(<scp>ii</scp>) complexes: a comprehensive reassessment. Dalton Transactions, 2024, 53, 382-393.	1.6	2