

Liming Zhang

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153
papers

13,679
citations

67
h-index

115
g-index

229
ext. papers

14,718
ext. citations

10.6
avg, IF

7.19
L-index

#	Paper	IF	Citations
153	Gold and Platinum Catalysis of Enyne Cycloisomerization. <i>Advanced Synthesis and Catalysis</i> , 2006 , 348, 2271-2296	5.6	787
152	A non-diazo approach to α -oxo gold carbenes via gold-catalyzed alkyne oxidation. <i>Accounts of Chemical Research</i> , 2014 , 47, 877-88	24.3	551
151	Catalytic asymmetric dearomatization (CADA) reactions of phenol and aniline derivatives. <i>Chemical Society Reviews</i> , 2016 , 45, 1570-80	58.5	457
150	Tandem Au-catalyzed 3,3-rearrangement-[2 + 2] cycloadditions of propargylic esters: expeditious access to highly functionalized 2,3-indoline-fused cyclobutanes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 16804-5	16.4	411
149	Homogeneous gold-catalyzed oxidative carboheterofunctionalization of alkenes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1474-5	16.4	349
148	Efficient synthesis of cyclopentenones from enynyl acetates via tandem Au(I)-catalyzed 3,3-rearrangement and the Nazarov reaction. <i>Journal of the American Chemical Society</i> , 2006 , 128, 1442-3	16.4	343
147	Alkynes as equivalents of α -diazo ketones in generating α -oxo metal carbenes: a gold-catalyzed expedient synthesis of dihydrofuran-3-ones. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3258-9	16.4	339
146	An efficient [2 + 2 + 1] synthesis of 2,5-disubstituted oxazoles via gold-catalyzed intermolecular alkyne oxidation. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8482-5	16.4	307
145	Gold-catalyzed homogeneous oxidative cross-coupling reactions. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3112-5	16.4	298
144	Experimental and computational evidence for gold vinylidenes: generation from terminal alkynes via a bifurcation pathway and facile C-H insertions. <i>Journal of the American Chemical Society</i> , 2012 , 134, 31-4	16.4	288
143	Au-Catalysed oxidative cyclisation. <i>Chemical Society Reviews</i> , 2016 , 45, 4448-58	58.5	286
142	Gold-catalyzed one-step practical synthesis of oxetan-3-ones from readily available propargylic alcohols. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8550-1	16.4	281
141	DFT study of the mechanisms of in water Au(I)-catalyzed tandem [3,3]-rearrangement/Nazarov reaction/[1,2]-hydrogen shift of enynyl acetates: a proton-transport catalysis strategy in the water-catalyzed [1,2]-hydrogen shift. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15503-12	16.4	272
140	Gold-catalyzed intramolecular redox reaction of sulfinyl alkynes: efficient generation of α -oxo gold carbenoids and application in insertion into R-CO bonds. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5156-9	16.4	243
139	Gold-catalyzed assembly of heterobicyclic systems. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6962-3	16.4	226
138	A flexible and stereoselective synthesis of azetidin-3-ones through gold-catalyzed intermolecular oxidation of alkynes. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 3236-9	16.4	210
137	Au-containing all-carbon 1,4-dipoles: generation and [4 + 2] annulation in the formation of carbo-/heterocycles. <i>Journal of the American Chemical Society</i> , 2008 , 130, 1814-5	16.4	204

- 136 Umpolung reactivity of indole through gold catalysis. *Angewandte Chemie - International Edition*, **2011**, 50, 8358-62 16.4 199
- 135 Gold-catalyzed highly regioselective oxidation of C-C triple bonds without acid additives: propargyl moieties as masked π -unsaturated carbonyls. *Journal of the American Chemical Society*, **2010**, 132, 14070-2 16.4 194
- 134 A two-step, formal [4 + 2] approach toward piperidin-4-ones via Au catalysis. *Journal of the American Chemical Society*, **2009**, 131, 8394-5 16.4 188
- 133 Tempering the reactivities of postulated π -oxo gold carbenes using bidentate ligands: implication of tricoordinated gold intermediates and the development of an expedient bimolecular assembly of 2,4-disubstituted oxazoles. *Journal of the American Chemical Society*, **2012**, 134, 17412-5 16.4 186
- 132 Gold-catalyzed cycloisomerization of siloxy enynes to cyclohexadienes. *Journal of the American Chemical Society*, **2004**, 126, 11806-7 16.4 183
- 131 A highly efficient preparative method of alpha-ylidene-beta-diketones via Au(III)-catalyzed acyl migration of propargylic esters. *Journal of the American Chemical Society*, **2006**, 128, 8414-5 16.4 179
- 130 Gold-catalyzed efficient preparation of linear alpha-iodoenones from propargylic acetates. *Organic Letters*, **2007**, 9, 2147-50 6.2 164
- 129 Rapid access to chroman-3-ones through gold-catalyzed oxidation of propargyl aryl ethers. *Angewandte Chemie - International Edition*, **2012**, 51, 1915-8 16.4 155
- 128 PtCl₂-catalyzed rapid access to tetracyclic 2,3-indoline-fused cyclopentenes: reactivity divergent from cationic Au(I) catalysis and synthetic potential. *Journal of the American Chemical Society*, **2007**, 129, 11358-9 16.4 151
- 127 Au-catalyzed synthesis of (1Z,3E)-2-pivaloxy-1,3-dienes from propargylic pivalates. *Journal of the American Chemical Society*, **2008**, 130, 3740-1 16.4 147
- 126 Au- and pt-catalyzed cycloisomerizations of 1,5-enynes to cyclohexadienes with a broad alkyne scope. *Journal of the American Chemical Society*, **2006**, 128, 9705-10 16.4 145
- 125 A gold-catalyzed unique cycloisomerization of 1,5-enynes: efficient formation of 1-carboxycyclohexa-1,4-dienes and carboxyarenes. *Journal of the American Chemical Society*, **2006**, 128, 14274-5 16.4 144
- 124 Gold-catalyzed homogeneous oxidative C-O bond formation: efficient synthesis of 1-benzoxyvinyl ketones. *Journal of the American Chemical Society*, **2009**, 131, 5062-3 16.4 140
- 123 Gold-catalyzed one-step construction of 2,3-dihydro-1H-Pyrrolizines with an electron-withdrawing group in the 5-position: a formal synthesis of 7-methoxymitosene. *Angewandte Chemie - International Edition*, **2012**, 51, 8624-7 16.4 138
- 122 Platinum-catalyzed formation of cyclic-ketone-fused indoles from N-(2-alkynylphenyl)lactams. *Angewandte Chemie - International Edition*, **2008**, 47, 346-9 16.4 136
- 121 Gold-Catalyzed Homogeneous Oxidative Cross-Coupling Reactions. *Angewandte Chemie*, **2009**, 121, 3158-3161 16.4 131
- 120 Two-step formal [3+2] cycloaddition of enones/enals and allenyl MOM ether: gold-catalyzed highly diastereoselective synthesis of cyclopentanone enol ether containing an all-carbon quaternary center. *Journal of the American Chemical Society*, **2007**, 129, 6398-9 16.4 125
- 119 Gold-catalyzed nitrene transfer to activated alkynes: formation of π -unsaturated amidines. *Organic Letters*, **2011**, 13, 1738-41 6.2 124

- 118 Practical synthesis of linear alpha-iodo/bromo-alpha,beta-unsaturated aldehydes/ketones from propargylic alcohols via Au/Mo bimetallic catalysis. *Organic Letters*, **2009**, 11, 3646-9 6.2 123
- 117 [3,3]-Sigmatropic rearrangement versus carbene formation in gold-catalyzed transformations of alkynyl aryl sulfoxides: mechanistic studies and expanded reaction scope. *Journal of the American Chemical Society*, **2013**, 135, 8512-24 16.4 120
- 116 Gold-catalyzed efficient formation of alkenyl enol esters/carbonates from trimethylsilylmethyl-substituted propargyl esters/carbonates. *Organic Letters*, **2006**, 8, 4585-7 6.2 117
- 115 Brønsted acid-promoted cyclizations of siloxyalkynes with arenes and alkenes. *Journal of the American Chemical Society*, **2004**, 126, 10204-5 16.4 113
- 114 Enantioselective oxidative gold catalysis enabled by a designed chiral P,N-bidentate ligand. *Angewandte Chemie - International Edition*, **2015**, 54, 1245-9 16.4 110
- 113 Intramolecular Insertions into Unactivated C(sp³)-H Bonds by Oxidatively Generated β -Diketone- β Gold Carbenes: Synthesis of Cyclopentanones. *Journal of the American Chemical Society*, **2015**, 137, 5316-9 16.4 109
- 112 Combining gold(I)/gold(III) catalysis and C-H functionalization: a formal intramolecular [3+2] annulation towards tricyclic indolines and mechanistic studies. *Angewandte Chemie - International Edition*, **2011**, 50, 4450-4 16.4 108
- 111 Au-containing all-carbon 1,3-dipoles: generation and [3+2] cycloaddition reactions. *Journal of the American Chemical Society*, **2008**, 130, 12598-9 16.4 106
- 110 A general ligand design for gold catalysis allowing ligand-directed anti-nucleophilic attack of alkynes. *Nature Communications*, **2014**, 5, 3470 17.4 105
- 109 Optimizing P,N-bidentate ligands for oxidative gold catalysis: efficient intermolecular trapping of β exo gold carbenes by carboxylic acids. *Angewandte Chemie - International Edition*, **2013**, 52, 6508-12 16.4 105
- 108 Au(I)-catalyzed efficient synthesis of functionalized bicyclo[3.2.0]heptanes. *Journal of the American Chemical Society*, **2008**, 130, 6944-5 16.4 104
- 107 Gold-Catalyzed Intramolecular Redox Reaction of Sulfinyl Alkynes: Efficient Generation of β Oxo Gold Carbenoids and Application in Insertion into R²CO Bonds. *Angewandte Chemie*, **2007**, 119, 5248-5251^{3,6} 104
- 106 Gold or no gold: one-pot synthesis of tetrahydrobenz[b]azepin-4-ones from tertiary N-(but-3-ynyl)anilines. *Organic Letters*, **2009**, 11, 1225-8 6.2 103
- 105 Construction of spirocarbocycles gold-catalyzed intramolecular dearomatization of naphthols. *Chemical Science*, **2016**, 7, 3427-3431 9.4 99
- 104 Synthesis of bicyclic imidazoles via [2 + 3] cycloaddition between nitriles and regioselectively generated β amino gold carbene intermediates. *Organic Letters*, **2012**, 14, 4662-5 6.2 99
- 103 Electrophilicity of β exo gold carbene intermediates: halogen abstractions from halogenated solvents leading to the formation of chloro/bromomethyl ketones. *Organic and Biomolecular Chemistry*, **2012**, 10, 3168-71 3.9 96
- 102 Combining Zn Ion Catalysis with Homogeneous Gold Catalysis: An Efficient Annulation Approach to -Protected Indoles. *Chemical Science*, **2013**, 4, 9.4 90
- 101 Mechanism of gold(I)-catalyzed rearrangements of acetylenic amine-N-oxides: computational investigations lead to a new mechanism confirmed by experiment. *Journal of the American Chemical Society*, **2012**, 134, 1078-84 16.4 89

100	One-Pot Synthesis of Benzene-Fused Medium-Ring Ketones: Gold Catalysis-Enabled Enolate Umpolung Reactivity. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5515-8	16.4	89
99	Recent Developments in the Chemistry of Heteroaromatic N-Oxides. <i>Synthesis</i> , 2015 , 47, 289-305	2.9	84
98	Gold-Catalyzed Efficient Formation of β -Unsaturated Ketones from Propargylic Acetates. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 871-875	5.6	84
97	Au-catalyzed synthesis of 2-alkylindoles from N-arylhydroxylamines and terminal alkynes. <i>Chemical Communications</i> , 2011 , 47, 7815-7	5.8	83
96	Gold-catalyzed cyclizations of cis-enediynes: insights into the nature of gold-aryne interactions. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7795-9	16.4	80
95	A Flexible and Stereoselective Synthesis of Azetidin-3-ones through Gold-Catalyzed Intermolecular Oxidation of Alkynes. <i>Angewandte Chemie</i> , 2011 , 123, 3294-3297	3.6	80
94	Umpolung Reactivity of Indole through Gold Catalysis. <i>Angewandte Chemie</i> , 2011 , 123, 8508-8512	3.6	80
93	Soft propargylic deprotonation: designed ligand enables Au-catalyzed isomerization of alkynes to 1,3-dienes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8887-90	16.4	79
92	Homogeneous gold-catalyzed efficient oxidative dimerization of propargylic acetates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 3884-7	2.9	78
91	Recent Progress on Gold-catalyzed Dearomatization Reactions. <i>Acta Chimica Sinica</i> , 2017 , 75, 419	3.3	72
90	Gold-catalyzed efficient preparation of linear β -haloenones from propargylic acetates. <i>Tetrahedron</i> , 2009 , 65, 1846-1855	2.4	71
89	MoS ₂ -wrapped silicon nanowires for photoelectrochemical water reduction. <i>Nano Research</i> , 2015 , 8, 281-287	10	70
88	Gold-Catalyzed Direct Assembly of Aryl-Annulated Carbazoles from 2-Alkynyl Arylazides and Alkynes. <i>Organic Letters</i> , 2016 , 18, 4178-81	6.2	70
87	Expanding the horizon of intermolecular trapping of in situ generated β -oxo gold carbenes: efficient oxidative union of allylic sulfides and terminal alkynes via C-C bond formation. <i>Chemical Communications</i> , 2014 , 50, 4130-4133	5.8	70
86	Gold-catalyzed multiple cascade reaction of 2-alkynylphenylazides with propargyl alcohols. <i>Chemistry - A European Journal</i> , 2015 , 21, 3585-8	4.8	63
85	Gold-catalyzed efficient synthesis of azepan-4-ones via a two-step [5 + 2] annulation. <i>Chemical Communications</i> , 2010 , 46, 3351-3	5.8	61
84	Rapid Access to Chroman-3-ones through Gold-Catalyzed Oxidation of Propargyl Aryl Ethers. <i>Angewandte Chemie</i> , 2012 , 124, 1951-1954	3.6	60
83	A Non-Diazo Strategy to Cyclopropanation via Oxidatively Generated Gold Carbene: the Benefit of A Conformationally Rigid β -Bidentate Ligand. <i>Organic Chemistry Frontiers</i> , 2014 , 1, 34-38	5.2	59

- 82 A Desulfonylative Approach in Oxidative Gold Catalysis: Regiospecific Access to Donor-Substituted Acyl Gold Carbenes. *Angewandte Chemie - International Edition*, **2015**, 54, 11775-9 16.4 55
- 81 Radical deoxygenation of hydroxyl groups via phosphites. *Journal of the American Chemical Society*, **2004**, 126, 13190-1 16.4 55
- 80 A modular, efficient, and stereoselective synthesis of substituted piperidin-4-ols. *Angewandte Chemie - International Edition*, **2010**, 49, 9178-81 16.4 54
- 79 Gold-Catalyzed Reaction of Propargylic Carboxylates via an Initial 3,3-Rearrangement. *Synlett*, **2010**, 2010, 692-706 2.2 53
- 78 Au-Catalyzed Intermolecular [2+2] Cycloadditions between Chloroalkynes and Unactivated Alkenes. *Journal of the American Chemical Society*, **2018**, 140, 5860-5865 16.4 52
- 77 Gold-Catalyzed One-Step Construction of 2,3-Dihydro-1H-Pyrrolizines with an Electron-Withdrawing group in the 5-position: A Formal Synthesis of 7-Methoxymitosene. *Angewandte Chemie*, **2012**, 124, 8752-8755 3.6 52
- 76 Au-catalyzed synthesis of 5,6-dihydro-8H-indolizin-7-ones from N-(pent-2-en-4-ynyl)-beta-lactams. *Organic Letters*, **2008**, 10, 5187-90 6.2 52
- 75 The use of Br/Cl to promote regioselective gold-catalyzed rearrangement of propargylic carboxylates: an efficient synthesis of (1Z, 3E)-1-bromo/chloro-2-carboxy-1,3-dienes. *Chemical Communications*, **2010**, 46, 9179-81 5.8 50
- 74 CBI insertions in oxidative gold catalysis: synthesis of polycyclic 2H-pyran-3(6H)-ones via a relay strategy. *Organic Chemistry Frontiers*, **2015**, 2, 1556-1560 5.2 49
- 73 One-Step Synthesis of Methanesulfonyloxymethyl Ketones via Gold-Catalyzed Oxidation of Terminal Alkynes: A Combination of Ligand and Counter Anion Enables High Efficiency and a One-Pot Synthesis of 2,4-Disubstituted Thiazoles. *Advanced Synthesis and Catalysis*, **2014**, 356, 1229-1234 5.6 48
- 72 Remote Cooperative Group Strategy Enables Ligands for Accelerative Asymmetric Gold Catalysis. *Journal of the American Chemical Society*, **2017**, 139, 16064-16067 16.4 47
- 71 Gold-Catalyzed Cyclizations of cis-Enediyne: Insights into the Nature of Gold-Alkyne Interactions. *Angewandte Chemie*, **2013**, 125, 7949-7953 3.6 46
- 70 Chiral Bifunctional Phosphine Ligand Enabling Gold-Catalyzed Asymmetric Isomerization of Alkyne to Allene and Asymmetric Synthesis of 2,5-Dihydrofuran. *Journal of the American Chemical Society*, **2019**, 141, 3787-3791 16.4 46
- 69 AuCl-catalyzed synthesis of benzyl-protected substituted phenols: a formal [3+3] approach. *Organic Letters*, **2007**, 9, 4627-30 6.2 44
- 68 Homogeneous Gold-Catalyzed Oxidation Reactions. *Chemical Reviews*, **2021**, 121, 8979-9038 68.1 44
- 67 Access to electron-rich arene-fused hexahydroquinolizinones through a gold-catalysis-initiated cascade process. *Angewandte Chemie - International Edition*, **2012**, 51, 7301-4 16.4 41
- 66 A C-H Insertion Approach to Functionalized Cyclopentenones. *Journal of the American Chemical Society*, **2016**, 138, 7516-9 16.4 38
- 65 Platinum-Catalyzed Formation of Cyclic-Ketone-Fused Indoles from N-(2-Alkynylphenyl)lactams. *Angewandte Chemie*, **2008**, 120, 352-355 3.6 38

64	Tertiary Amino Group in Cationic Gold Catalyst: Tethered Frustrated Lewis Pairs That Enable Ligand-Controlled Regiodivergent and Stereoselective Isomerizations of Propargylic Esters. <i>ACS Catalysis</i> , 2017 , 7, 3676-3680	13.1	37
63	Bifunctional Biphenyl-2-ylphosphine Ligand Enables Tandem Gold-Catalyzed Propargylation of Aldehyde and Unexpected Cycloisomerization. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17439-17443	16.4	25
62	Efficient One-Pot Multifunctionalization of Alkynes en Route to α -Alkoxyketones, α -Thioketones, and α -Thio Thioketals by using an Umpolung Strategy. <i>Chemistry - A European Journal</i> , 2017 , 23, 14133-14137	4.8	34
61	Enantioselective Oxidative Gold Catalysis Enabled by a Designed Chiral P,N-Bidentate Ligand. <i>Angewandte Chemie</i> , 2015 , 127, 1261-1265	3.6	34
60	Ruthenium-catalyzed oxidative transformations of terminal alkynes to ketenes by using tethered sulfoxides: access to β -lactams and cyclobutanones. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9572-6	16.4	33
59	Ligand-Accelerated Gold-Catalyzed Addition of in Situ Generated Hydrazoic Acid to Alkynes under Neat Conditions. <i>Organic Letters</i> , 2017 , 19, 3687-3690	6.2	32
58	Combining Gold(I)/Gold(III) Catalysis and C-H Functionalization: A Formal Intramolecular [3+2] Annulation towards Tricyclic Indolines and Mechanistic Studies. <i>Angewandte Chemie</i> , 2011 , 123, 4542-4546	3.6	32
57	Designed Bifunctional Phosphine Ligand-Enabled Gold-Catalyzed Isomerizations of Ynamides and Allenamides: Stereoselective and Regioselective Formation of 1-Amido-1,3-dienes. <i>Organic Letters</i> , 2017 , 19, 5744-5747	6.2	31
56	Wolff Rearrangement of Oxidatively Generated α -Oxo Gold Carbenes: An Effective Approach to Silylketenes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 5241-5245	16.4	31
55	Optimizing P,N-Bidentate Ligands for Oxidative Gold Catalysis: Efficient Intermolecular Trapping of α -Oxo Gold Carbenes by Carboxylic Acids. <i>Angewandte Chemie</i> , 2013 , 125, 6636-6640	3.6	29
54	Gold-Catalyzed Intramolecular Dearomatization Reactions of Indoles for the Synthesis of Spiroindolenines and Spiroindolines. <i>Organic Letters</i> , 2020 , 22, 1233-1238	6.2	27
53	Bifunctional Ligand Enables Efficient Gold-Catalyzed Hydroalkenylation of Propargylic Alcohol. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8250-8254	16.4	25
52	6-Exo-spiro (alkoxycarbonylamino)methyl radical cyclization: highly regio- and stereoselective synthesis of (-)-sibirine. <i>Organic Letters</i> , 2002 , 4, 3329-32	6.2	25
51	Total synthesis of (+)-acanthodoral by the use of a Pd-catalyzed metal-ene reaction and a nonreductive 5-exo-acyl radical cyclization. <i>Organic Letters</i> , 2004 , 6, 537-40	6.2	24
50	Gold-catalyzed regioselective oxidation of propargylic carboxylates: a reliable access to α -carboxy- β -unsaturated ketones/aldehydes. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 1925-30	2.5	22
49	Stereocontrolled synthesis of kelsoene by the homo-favorskii rearrangement. <i>Organic Letters</i> , 2002 , 4, 3755-8	6.2	22
48	Synthesis of Chiral Bifunctional NHC Ligands and Survey of Their Utilities in Asymmetric Gold Catalysis. <i>Organometallics</i> , 2019 , 38, 3931-3938	3.8	21
47	Formal synthesis of 7-methoxymitosene and synthesis of its analog via a key PtCl ₂ -catalyzed cycloisomerization. <i>Organic Letters</i> , 2012 , 14, 3736-9	6.2	20

46	Total synthesis of (+)-lentiginosine via a key Au catalysis. <i>Science China Chemistry</i> , 2010 , 53, 113-118	7.9	20
45	A Modular, Efficient, and Stereoselective Synthesis of Substituted Piperidin-4-ols. <i>Angewandte Chemie</i> , 2010 , 122, 9364-9367	3.6	19
44	Cyclopropanation of Benzene Rings by Oxidatively Generated β Oxo Gold Carbene: One-Pot Access to Tetrahydropyranone-Fused Cycloheptatrienes from Propargyl Benzyl Ethers. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 647-651	5.6	19
43	Gold-Catalyzed Oxidation of Propargylic Ethers with Internal C-C Triple Bonds: Impressive Regioselectivity Enabled by Inductive Effect. <i>Journal of Organometallic Chemistry</i> , 2014 , 770, 142-145	2.3	18
42	Brønsted acid-promoted cyclizations of siloxy alkynes with unactivated arenes, alkenes, and alkynes. <i>Tetrahedron</i> , 2006 , 62, 11371-11380	2.4	18
41	Non-Diazo C-H Insertion Approach to Cyclobutanones through Oxidative Gold Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17398-17402	16.4	16
40	A Desulfonylative Approach in Oxidative Gold Catalysis: Regiospecific Access to Donor-Substituted Acyl Gold Carbenes. <i>Angewandte Chemie</i> , 2015 , 127, 11941-11945	3.6	16
39	Synthesis of a wakayin model compound: Oxidative formation of a new pyrrole ring in the indol-3-yl-indoloquinone system. <i>Tetrahedron Letters</i> , 1998 , 39, 7677-7678	2	15
38	Efficient Synthesis of β -Allylbutenolides from Allyl Ynoates via Tandem Ligand-Enabled Au(I) Catalysis and the Claisen Rearrangement. <i>ACS Catalysis</i> , 2019 , 9, 10339-10342	13.1	14
37	Total Synthesis and Structure Revision of Diplobifuranylonone B. <i>Journal of Organic Chemistry</i> , 2019 , 84, 11054-11060	4.2	13
36	Access to Electron-Rich Arene-Fused Hexahydroquinolizinones through a Gold-Catalysis-Initiated Cascade Process. <i>Angewandte Chemie</i> , 2012 , 124, 7413-7416	3.6	13
35	Gold-catalyzed regioselective oxidation of terminal allenes: formation of β -methanesulfonyloxy methyl ketones. <i>Beilstein Journal of Organic Chemistry</i> , 2011 , 7, 596-600	2.5	12
34	Construction of Spiro[naphthalenones via Gold-Catalyzed Intramolecular Dearomatization Reaction of β -Naphthol Derivatives. <i>Organic Letters</i> , 2020 , 22, 5861-5865	6.2	11
33	Silver-catalyzed stereoselective formation of glycosides using glycosyl ynoates as donors. <i>Chemical Communications</i> , 2018 , 54, 8626-8629	5.8	11
32	One-pot synthesis of fused pyrroles through a key gold-catalysis-triggered cascade. <i>Chemistry - A European Journal</i> , 2014 , 20, 2445-8	4.8	11
31	Synthesis-enabled probing of mitosene structural space leads to improved IC ₅₀ over mitomycin C. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9302-5	16.4	11
30	Gold Carbenes		11
29	A Bifunctional Ligand Enables Gold-Catalyzed Hydroarylation of Terminal Alkynes under Soft Reaction Conditions. <i>Organic Letters</i> , 2020 , 22, 6045-6049	6.2	10

28	Bifunctional Phosphine Ligand Enabled Gold-Catalyzed Alkynamide Cycloisomerization: Access to Electron-Rich 2-Aminofurans and Their Diels-Alder Adducts. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17180-17184	16.4	9
27	Ruthenium-catalyzed rearrangement of propargyl sulfoxides: formation of β -unsaturated thioesters. <i>Tetrahedron Letters</i> , 2015 , 56, 3144-3146	2	9
26	Gold-Catalyzed Regioselective Dimerization of Aliphatic Terminal Alkynes. <i>Synlett</i> , 2012 , 2012, 54-56	2.2	9
25	Designed Bifunctional Ligands in Cooperative Homogeneous Gold Catalysis. <i>CCS Chemistry</i> , 2021 , 3, 1989-2002	9	9
24	Gold-Catalyzed Silyl-Migrative Cyclization of Homopropargylic Alcohols Enabled by Bifunctional Biphenyl-2-ylphosphine and DFT Studies. <i>Organic Letters</i> , 2019 , 21, 7791-7794	6.2	8
23	Ruthenium-Catalyzed Oxidative Transformations of Terminal Alkynes to Ketenes By Using Tethered Sulfoxides: Access to β -Lactams and Cyclobutanones. <i>Angewandte Chemie</i> , 2014 , 126, 9726-9730	3.6	8
22	Bifunctional Ligand Enables Efficient Gold-Catalyzed Hydroalkenylation of Propargylic Alcohol. <i>Angewandte Chemie</i> , 2018 , 130, 8382-8386	3.6	7
21	Gold-catalysed asymmetric net addition of unactivated propargylic C-H bonds to tethered aldehydes. <i>Nature Catalysis</i> , 2021 , 4, 164-171	36.5	7
20	Wolff Rearrangement of Oxidatively Generated β Oxo Gold Carbenes: An Effective Approach to Silylketenes. <i>Angewandte Chemie</i> , 2019 , 131, 5295-5299	3.6	6
19	GOLD-CATALYZED CASCADE REACTIONS 2013 , 145-177		6
18	Gold-Catalyzed Synthesis of Chiral Cyclopentadienyl Esters via Chirality Transfer. <i>Organic Letters</i> , 2020 , 22, 6500-6504	6.2	6
17	Bifunctional phosphine ligand-enabled gold-catalyzed direct cycloisomerization of alkynyl ketones to 2,5-disubstituted furans. <i>Chemical Communications</i> , 2020 , 56, 7297-7300	5.8	5
16	Non-Diazo C β Insertion Approach to Cyclobutanones through Oxidative Gold Catalysis. <i>Angewandte Chemie</i> , 2020 , 132, 17551-17555	3.6	5
15	Unusual Au(III)-catalyzed dimerization of benzoxazol-2-yloxy enynes: Formation of substituted 1,5-cyclooctadienes. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 520-523	2.3	5
14	A "Traceless" Directing Group Enables Catalytic S ₂ Glycosylation toward 1,2-Glycopyranosides. <i>Journal of the American Chemical Society</i> , 2021 , 143, 11908-11913	16.4	5
13	Direct Conversion of Internal Alkynes into β -ketoenones: One-Step Collaborative Iodination and Oxidation. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 1417-1420	5.6	5
12	Gold-catalyzed synthesis of β -D-glucosides using an o-ethynylphenyl β -D-1-thiogluco-side donor. <i>Carbohydrate Research</i> , 2019 , 471, 56-63	2.9	5
11	Au(I)-Catalyzed expeditious access to naphtho[2,3-c]furan-1(3-H)-ones from readily available propargylic ynoates. <i>Chemical Communications</i> , 2018 , 54, 10447-10450	5.8	4

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9	Synthesis of Oxygenated and Nitrogen-Containing Heterocycles by Gold-Catalyzed Alkyne Oxidation. <i>Topics in Heterocyclic Chemistry</i> , 2016 , 87-115	0.2	2
8	Synthesis-Enabled Probing of Mitosene Structural Space Leads to Improved IC50 over Mitomycin C. <i>Angewandte Chemie</i> , 2014 , 126, 9456-9459	3.6	2
7	Gold-Catalyzed Rearrangement of Propargyl Alcohols Using Coupling Constants To Determine Isomeric Ratios. <i>Journal of Chemical Education</i> , 2019 , 96, 2348-2351	2.4	1
6	Bifunctional Phosphine Ligand Enabled Gold-Catalyzed Alkynamide Cycloisomerization: Access to Electron-Rich 2-Aminofurans and Their Diels-Alder Adducts. <i>Angewandte Chemie</i> , 2019 , 131, 17340-17344	2.6	1
5	One-pot synthesis of arene-fused 2-acylcyclohexenones from propargylic carboxylates. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 1337-1344		1
4	Chiral Bifunctional Phosphine Ligand Enables Gold-Catalyzed Asymmetric Isomerization and Cyclization of Propargyl Sulfonamide into Chiral 3-Pyrroline. <i>Organic Letters</i> , 2021 , 23, 8194-8198	6.2	0
3	HOMOGENEOUS GOLD-CATALYZED OXIDATION AND REDUCTION REACTIONS. <i>Catalytic Science Series</i> , 2014 , 51-86	0.4	
2	An Au/Zn-catalyzed Synthesis of N-Protected Indole via Annulation of N-Arylhydroxamic Acid and Alkyne	15-28	
1	Gold-Catalyzed Oxidation of Alkynes by N -Oxides or Sulfoxides	2022	199-241