

# Rai-Shung Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3358895/publications.pdf>

Version: 2024-02-01

175  
papers

8,935  
citations

38742

50  
h-index

51608

86  
g-index

185  
all docs

185  
docs citations

185  
times ranked

4311  
citing authors

#	ARTICLE	IF	CITATIONS
1	WSe <sub>2</sub> /WS <sub>2</sub> Heterobilayer Nonvolatile Memory Device with Boosted Charge Retention. ACS Applied Materials & Interfaces, 2022, 14, 3467-3475.	8.0	4
2	Gold(I)-Catalyzed Highly Diastereo- and Enantioselective Constructions of Bicyclo[3.2.1]oct-6-ene Frameworks via (4 + 3)-Cycloadditions. ACS Catalysis, 2022, 12, 536-543.	11.2	18
3	Gold-Catalyzed Bicyclic Annulations of <i>N</i> -( <i>o</i> -Alkynylphenyl)imines with $\hat{\pm}$ -Diazo Esters to Form 5,6-Dihydroindolo[2,1- <i>a</i> ]isoquinolines. Organic Letters, 2022, 24, 2165-2169.	4.6	8
4	Dynamic Kinetic Resolution in Gold-Catalyzed (4 + 2)-Annulations between Alkynyl Benzaldehydes and Allenamides to Yield Enantioenriched All-Carbon Diarylalkylmethane Derivatives. Organic Letters, 2022, 24, 548-553.	4.6	6
5	Gold(I)-Catalyzed [4 + 2] Annulation between Arylalkynes and C,N-Diaryl Nitrones for Chemoselective Synthesis of Quinoline Scaffolds via Gold Acetylide Intermediates. Journal of Organic Chemistry, 2022, 87, 7097-7105.	3.2	2
6	Gold-Catalyzed Rearrangement of $\hat{\pm}$ -Carbonyl Cyclopropanes to Form 3-(Cyclopenta-1,3-dien-1-ylmethyl)oxindoles via a Postulated 1,5-Enolate Shift. Organic Letters, 2022, 24, 5220-5225.	4.6	3
7	Nitrene Transfer and Carbene Transfer in Gold Catalysis. Chemical Reviews, 2021, 121, 9039-9112.	47.7	241
8	Gold-Catalyzed Bicyclic and [3+2] Annulations of Internal Propargyl Alcohols with Nitrones and Imines To Yield to Two Distinct Heterocycles. Advanced Synthesis and Catalysis, 2021, 363, 525-531.	4.3	7
9	Gold-Catalyzed [3+2] Annulations of $\hat{\pm}$ -Aryl Diazoketones with the Tetrasubstituted Alkenes of Cyclopentadienes: High Stereoselectivity and Enantioselectivity. Angewandte Chemie - International Edition, 2021, 60, 4479-4484.	13.8	17
10	Gold-catalyzed [5 + 2]-annulations of 1,3-dien-1-amides with anthranils bearing no C(6)-substituents. Organic Chemistry Frontiers, 2021, 8, 2563-2568.	4.5	9
11	Gold-Catalyzed [3+2] Annulations of $\hat{\pm}$ -Aryl Diazoketones with the Tetrasubstituted Alkenes of Cyclopentadienes: High Stereoselectivity and Enantioselectivity. Angewandte Chemie, 2021, 133, 4529-4534.	2.0	3
12	Gold(I)-Catalyzed Oxidative 1,4-Additions of 3-En-1-ynamide with Nitrones via Carbon- versus Nitrogen-Addition Chemoselectivity. Organic Letters, 2021, 23, 1394-1399.	4.6	10
13	Gold(I)-Catalyzed Reactions between <i>N</i> -( <i>o</i> -Alkynylphenyl)imines and Vinyl diazo Ketones to Form 3-(Furan-2-ylmethyl)-1 <i>H</i> -indoles via Postulated Azallyl Gold and Allylic Cation Intermediates. Organic Letters, 2021, 23, 1378-1382.	4.6	13
14	Gold Catalysts Can Generate Nitrene Intermediates from a Nitrosoarene/Alkene Mixture, Enabling Two Distinct Catalytic Reactions: A Nitroso-Activated Cycloheptatriene/Benzylidene Rearrangement. Organic Letters, 2021, 23, 5506-5511.	4.6	5
15	Gold-Catalyzed Synthesis of Diaza-hexatrienes Via Diazo Attack at Vinylgold Carbenes: An Easy Access to 1 <i>H</i> -Pyrazolo[4,3- <i>b</i> ]pyridine-5-ones. Organic Letters, 2021, 23, 5496-5500.	4.6	9
16	Expression of Concern for $\hat{\alpha}$ Chemoselectivities in the Platinum-Catalyzed Hydrative Carbocyclizations of Oxo-Alkyne-Nitrile Functionalities. Organic Letters, 2021, 23, 6182-6182.	4.6	0
17	Expression of Concern for $\hat{\alpha}$ A Convenient Synthesis of Tetrabenzo[de,hi,mn,qr]naphthacene from Readily Available 1,2-Di(phenanthren-4-yl)ethyne. Journal of Organic Chemistry, 2021, 86, 10941-10941.	3.2	0
18	Expression of Concern for $\hat{\alpha}$ Platinum-Catalyzed Aromatization of Eneynes via a C-H Bond Insertion of Tethered Alkanes. Organic Letters, 2021, 23, 6181-6181.	4.6	0

#	ARTICLE	IF	CITATIONS
19	Development of a [2 + 2]-Nitroso/Alkene Cycloaddition Using Sodium Tetrakis[3,5-bis(trifluoromethyl)phenyl]borate Catalyst: Controlled Chemoselectivity of Two Equilibrating Isomeric Intermediates. <i>Organic Letters</i> , 2021, 23, 6246-6251.	4.6	4
20	WS <sub>2</sub> /WSe <sub>2</sub> Nanodot Composite Photodetectors for Fast and Sensitive Light Detection. <i>ACS Applied Electronic Materials</i> , 2021, 3, 4291-4299.	4.3	11
21	Synthesis of nitrogen-containing molecules via transition metal-catalyzed reactions on isoxazoles, anthranils and benzoisoxazoles. <i>Advances in Organometallic Chemistry</i> , 2020, 73, 195-251.	1.0	30
22	Gold-Catalyzed Iminations of Terminal Propargyl Alcohols with Anthranils with Atypical Chemoselectivity for C(1)-Additions and 1,2-Carbon Migration. <i>Chemistry - A European Journal</i> , 2020, 26, 3600-3608.	3.3	15
23	Gold(I)-Catalyzed Reactions between 2-(1-Alkynyl)-2-alken-1-ones and Vinyl diazo Ketones for Divergent Synthesis of Nonsymmetric Heteroaryl-Substituted Triarylmethanes: <i>i&gt;N-</i> versus <i>i&gt;C</i> -Attack Paths. <i>Organic Letters</i> , 2020, 22, 8229-8233.	4.6	20
24	Gold-Catalyzed Oxidative Cross-Coupling Reactions among Two Distinct Arenes and One Gold Carbene with Phosphoric Acids as Cocatalysts. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5658-5668.	4.3	3
25	Gold-Catalyzed Synthesis of Chiral Cyclopentadienyl Esters via Chirality Transfer. <i>Organic Letters</i> , 2020, 22, 6500-6504.	4.6	13
26	Gold-Catalyzed Oxidative Aminocyclizations of Propargyl Alcohols and Propargyl Amines to Form Two Distinct Azacyclic Products: Carbene Formation versus a 3,3-Sigmatropic Shift of an Initial Intermediate. <i>Chemistry - A European Journal</i> , 2020, 26, 16932-16938.	3.3	2
27	Gold-Catalyzed Oxidations of 1,3-Diynamides with C(1) versus C(3) Regioselectivity: Catalyst-Dependent Oxidative Cyclizations in the C(3) Oxidation. <i>Organic Letters</i> , 2020, 22, 4478-4482.	4.6	22
28	Gold-Catalyzed Aminoaromatizations of 1,2-Bis(alkynyl)benzenes with Anthranils to Yield 1-Amino-2-naphthaldehyde Products. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3183-3189.	4.3	10
29	Gold(I)-Catalyzed Highly Diastereo- and Enantioselective Cyclization of [4+3] Annulation Cascades between 2-(1-Alkynyl)-2-alken-1-ones and Anthranils. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10396-10400.	5.9	52
30	Gold(I)-Catalyzed Highly Diastereo- and Enantioselective Cyclization of [4+3] Annulation Cascades between 2-(1-Alkynyl)-2-alken-1-ones and Anthranils. <i>Angewandte Chemie</i> , 2020, 132, 10482-10486.	2.0	14
31	Copper-Catalyzed Asymmetric Reaction of Alkenyl Dienes with Styrenes by Formal [3 + 2] Cycloaddition via Cu-Containing All-Carbon 1,3-Dipoles: Access to Chiral Pyrrole-Fused Bridged [2.2.1] Skeletons. <i>Journal of the American Chemical Society</i> , 2020, 142, 7618-7626.	13.7	83
32	Copper-Catalyzed Azide-Ynamide Cyclization to Generate $\lambda^5$ -Amino Copper Carbenes: Divergent and Enantioselective Access to Polycyclic N-Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17984-17990.	13.8	71
33	Gold(I)-Catalyzed Highly Enantioselective [4 + 2]-Annulations of Cyclopentadienes with Nitrosoarenes via Nitroso-Povarov versus Oxidative Nitroso-Povarov Reactions. <i>ACS Catalysis</i> , 2020, 10, 5840-5845.	11.2	32
34	Gold-Catalyzed [4+3]-Annulations of Benzopyriliums with Vinyl diazo Carbonyls to Form Bicyclic Heptatriene Rings with Skeletal Rearrangement. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2517-2522.	4.3	14
35	Gold-Catalyzed Bicyclic Annulations of 2-Alkynylbenzaldehydes with Vinyl diazo Carbonyls that Serve as Five-atom Building Units. <i>Angewandte Chemie</i> , 2019, 131, 11096-11100.	2.0	7
36	Copper-Catalyzed [4+2]-Cycloadditions of Isoxazoles with 2-Alkynylbenzaldehydes To Access Distinct $\lambda^5$ -Carbonylnaphthalene Derivatives: C(3,4)- versus C(4,5)-Regioselectivity at Isoxazoles. <i>ACS Catalysis</i> , 2019, 9, 7328-7334.	11.2	20

#	ARTICLE	IF	CITATIONS
37	Two Distinct Ag(I)- and Au(I)-Catalyzed Olefinations between $\hat{\pm}$ -Diazo Esters and <i>N</i> -Boc-Derived Imines. <i>Organic Letters</i> , 2019, 21, 6452-6456.	4.6	12
38	Gold-Catalyzed Oxidation of Thioalkynes To Form Phenylthio Ketene Derivatives via a Noncarbene Route. <i>Organic Letters</i> , 2019, 21, 5475-5479.	4.6	20
39	Generation of Donor/Donor Copper Carbenes through Copper-Catalyzed Diyne Cyclization: Enantioselective and Divergent Synthesis of Chiral Polycyclic Pyrroles. <i>Journal of the American Chemical Society</i> , 2019, 141, 16961-16970.	13.7	84
40	Gold-Catalyzed Aromatizations of 3-Ene-5-siloxy-1,6-diyne with Nitrosoarenes To Enable 1,4-N,O-Functionalizations: One-Pot Construction of 4-Hydroxy-3-aminobenzaldehyde Cores. <i>Organic Letters</i> , 2019, 21, 8434-8438.	4.6	9
41	Gold-catalyzed (4+3)-annulations of 2-alkenyl-1-alkynylbenzenes with anthranils with alkyne-dependent chemoselectivity: skeletal rearrangement <i>versus</i> non-rearrangement. <i>Chemical Science</i> , 2019, 10, 1201-1206.	7.4	59
42	Gold-catalyzed [4+1]-annulation reactions between anthranils and 4-methoxy-1,2-dienyl-5-yne involving a 1,2-allene shift. <i>Chemical Communications</i> , 2019, 55, 1979-1982.	4.1	26
43	Gold-Catalyzed Bicyclic Annulations of $\alpha$ -Alkynylbenzaldehydes with Vinyl diazo Carbonyls that Serve as Five-atom Building Units. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10980-10984.	13.8	22
44	Gold-Catalyzed Oxidative Arylations of 3-Butyn-1-ols and 2-Propyn-1-ols with Nitrones to Yield Distinct Fused Indoles Bearing a Heterocyclic Ring. <i>ACS Catalysis</i> , 2019, 9, 5890-5896.	11.2	23
45	Gold-catalyzed bicyclic annulations of 4-methoxy-1,2-dienyl-5-yne with isoxazoles to form indolizine derivatives <i>via</i> an Au- $\eta$ -allene intermediate. <i>Chemical Science</i> , 2019, 10, 6437-6442.	7.4	34
46	Gold-catalyzed [4+2]-Annulations of Dienes with Nitrosoarenes as $\eta$ -Donors: Nitroso-Povarov Reactions. <i>Angewandte Chemie</i> , 2019, 131, 9936-9940.	2.0	9
47	Gold-catalyzed [4+2]-Annulations of Dienes with Nitrosoarenes as $\eta$ -Donors: Nitroso-Povarov Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9831-9835.	13.8	34
48	Copper-Catalyzed Cascade Cyclization of Indolyl Homopropargyl Amides: Stereospecific Construction of Bridged Aza[2.1] Skeletons. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9632-9639.	13.8	37
49	Gold-Catalyzed Oxidative Hydrative Alkenylations of Propargyl Aryl Thioethers with Quinoline <i>N</i> -Oxides Involving a 1,3-Sulfur Migration. <i>Organic Letters</i> , 2019, 21, 2755-2758.	4.6	20
50	Direct access to benzofuro[2,3- <i>b</i> ]quinoline and 6- <i>H</i> -chromeno[3,4- <i>b</i> ]quinoline cores through gold-catalyzed annulation of anthranils with arenoxyethynes and aryl propargyl ethers. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4452-4455.	2.8	21
51	Gold(I)-Catalyzed 1,3-Carbofunctionalizations of Anthranils with Vinyl Propargyl Esters To Yield 1,3-Dihydrobenzo[ <i>c</i> ]isoxazoles. <i>Organic Letters</i> , 2019, 21, 2876-2879.	4.6	15
52	Gold-Catalyzed Annulations of <i>N</i> -Propargyl Ynamides with Anthranils with Two Distinct Chemoselectivities. <i>Chemistry - A European Journal</i> , 2019, 25, 5288-5297.	3.3	45
53	Generation of Endocyclic Vinyl Carbene Complexes via Gold-Catalyzed Oxidative Cyclization of Terminal Diynes: Toward Naphthoquinones and Carbazolequinones. <i>ACS Catalysis</i> , 2019, 9, 1019-1025.	11.2	46
54	Gold-catalyzed oxidative cycloalkenations of alkynes with quinoline <i>N</i> -oxides. <i>Organic Chemistry Frontiers</i> , 2019, 6, 226-230.	4.5	18

#	ARTICLE	IF	CITATIONS
55	Diboron compound-based organic light-emitting diodes with high efficiency and reduced efficiency roll-off. <i>Nature Photonics</i> , 2018, 12, 235-240.	31.4	669
56	Gold-catalyzed (4 + 2)-annulations between $\hat{\text{I}}\pm$ -alkyl alkenylgold carbenes and benzisoxazoles with reactive alkyl groups. <i>Chemical Science</i> , 2018, 9, 4488-4492.	7.4	61
57	Gold-catalyzed [4+3]- and [4+2]-annulations of 3-en-1-ynamides with isoxazoles <i>via</i> novel $\hat{\text{I}}\pm$ -electrocyclizations of 3-azahepta trienyl cations. <i>Chemical Science</i> , 2018, 9, 2991-2995.	7.4	97
58	Brønsted Acids Enable Three Molecular Rearrangements of One 3-Alkylidene-2H-1,2-oxazine Molecule into Distinct Heterocycles. <i>Organic Letters</i> , 2018, 20, 1038-1041.	4.6	12
59	Gold-catalyzed N,O-functionalization of 1,4-diyne-3-ols with <i>N</i> -hydroxyanilines to form highly functionalized pyrrole derivatives. <i>Chemical Communications</i> , 2018, 54, 2114-2117.	4.1	35
60	Gold-Catalyzed Michael-Type Reactions and [4 + 2]-Annulations between Propiolates and 1,2-Benzisoxazoles with Ester-Directed Chemoselectivity. <i>Organic Letters</i> , 2018, 20, 6655-6658.	4.6	30
61	Gold-Catalyzed [5+2]- and [5+1]-Annulations between Ynamides and 1,2-Benzisoxazoles with Ligand-Controlled Chemoselectivity. <i>ACS Catalysis</i> , 2018, 8, 9697-9701.	11.2	71
62	Gold-catalyzed annulations of <i>N</i> -aryl ynamides with benzisoxazoles to construct 6 <i>H</i> -indolo[2,3- <i>b</i> ]quinoline cores. <i>Chemical Communications</i> , 2018, 54, 10866-10869.	4.1	69
63	Catalytic Transformations of Alkynes into either $\hat{\text{I}}\pm$ -Alkoxy or $\hat{\text{I}}\pm$ -Aryl Enolates: Mannich Reactions by Cooperative Catalysis and Evidence for Nucleophile-Directed Chemoselectivity. <i>Angewandte Chemie</i> , 2018, 130, 15094-15098.	2.0	10
64	Catalytic Transformations of Alkynes into either $\hat{\text{I}}\pm$ -Alkoxy or $\hat{\text{I}}\pm$ -Aryl Enolates: Mannich Reactions by Cooperative Catalysis and Evidence for Nucleophile-Directed Chemoselectivity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14878-14882.	13.8	54
65	Gold-Catalyzed [4 + 1]-Annulation Reactions between 1,4-Diyne-3-ols and Isoxazoles To Construct a Pyrrole Core. <i>Organic Letters</i> , 2018, 20, 3806-3809.	4.6	56
66	Gold-Catalyzed 1,4-Carboxygenation of 3-En-1-Ynamides with Allylic and Propargylic Alcohols <i>via</i> Non-Claissen Pathways. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 590-596.	4.3	19
67	A Sequential Route to Cyclopentenes from 1,6-Enynes and Diazo Ketones through Gold and Rhodium Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 402-409.	4.3	18
68	Copper-Catalyzed Three-Component Annulations of Alkenes, Nitrosoarenes, and <i>N</i> -Hydroxyallylamines To Form Fused Oxazinane/Isoxazolidine Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2035-2039.	13.8	45
69	Copper-Catalyzed Three-Component Annulations of Alkenes, Nitrosoarenes, and <i>N</i> -Hydroxyallylamines To Form Fused Oxazinane/Isoxazolidine Heterocycles. <i>Angewandte Chemie</i> , 2017, 129, 2067-2071.	2.0	15
70	Gold-catalyzed oxidative hydroacylation reactions of $\hat{\text{I}}\pm$ -iminoalkynes with aldehydes and $\text{O}<sub>2</sub>$ . <i>Chemical Communications</i> , 2017, 53, 6009-6012.	4.1	2
71	Gold-Catalyzed Oxidative [2+2+1] Annulations of Aryldiazo Nitriles with Imines To Yield Polyarylated Imidazolium Salts. <i>Angewandte Chemie</i> , 2017, 129, 5117-5121.	2.0	21
72	Ground-state dioxygen undergoes metal-free [3 + 2]-annulations with allenes and nitrosoarenes under ambient conditions. <i>Chemical Science</i> , 2017, 8, 5482-5487.	7.4	22

#	ARTICLE	IF	CITATIONS
73	High-Performance Organic Light-Emitting Diode with Substitutionally Boron-Doped Graphene Anode. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 14998-15004.	8.0	43
74	Gold-catalyzed oxidative couplings of two indoles with one aryldiazo cyanide under oxidant-free conditions. <i>Chemical Communications</i> , 2017, 53, 4593-4596.	4.1	37
75	Gold-Catalyzed Oxidative [2+2+1] Annulations of Aryldiazo Nitriles with Imines To Yield Polyarylated Imidazolium Salts. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5035-5039.	13.8	23
76	Development of Gold-Catalyzed [4+1] and [2+2+1]/[4+2] Annulations between Propiolate Derivatives and Isoxazoles. <i>Angewandte Chemie</i> , 2017, 129, 1046-1050.	2.0	42
77	Development of Gold-Catalyzed [4+1] and [2+2+1]/[4+2] Annulations between Propiolate Derivatives and Isoxazoles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1026-1030.	13.8	126
78	Stereoselective annulation between an allene, an alkene, and two nitrosoarenes to access bis(isoxazolidine) derivatives. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9389-9397.	2.8	19
79	Gold-Catalyzed <i>N</i> - and <i>O</i> -Functionalizations of 6-Allenyl-1-ynes with <i>N</i> -Hydroxyanilines To Construct Benzo[ <i>b</i> ]-azepin-4-one Cores. <i>Organic Letters</i> , 2017, 19, 5340-5343.	4.6	21
80	Gold-Catalyzed [4+2] and [3+3] Annulations of Ynamides with 1-Alkynyl-3-Cols to Access Six-Membered Carbocycles and Oxacycles <i>via</i> Three Distinct Cyclizations. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3311-3318.	4.3	10
81	Gold-Catalyzed [4+2] Annulation/Cyclization Cascades of Benzisoxazoles with Propiolate Derivatives to Access Highly Oxygenated Tetrahydroquinolines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12736-12740.	13.8	100
82	Gold-Catalyzed [4+2] Annulation/Cyclization Cascades of Benzisoxazoles with Propiolate Derivatives to Access Highly Oxygenated Tetrahydroquinolines. <i>Angewandte Chemie</i> , 2017, 129, 12910-12914.	2.0	32
83	Recent Advances in Gold-Catalyzed <i>N</i> - and <i>O</i> -Functionalizations of Alkynes with Nitrones, Nitroso, Nitro and Nitroxy Species. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1348-1367.	4.3	242
84	Copper-Mediated [3+2] Annulation of 3- <i>N</i> -Hydroxyallylamines with Nitrosoarenes. <i>Chemistry - A European Journal</i> , 2016, 22, 2915-2919.	3.3	19
85	Front Cover Picture: Recent Advances in Gold-Catalyzed <i>N</i> - and <i>O</i> -Functionalizations of Alkynes with Nitrones, Nitroso, Nitro and Nitroxy Species ( <i>Adv. Synth. Catal.</i> 9/2016). <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1345-1345.	4.3	1
86	Gold-catalyzed [3+2]-annulations of $\beta$ -aryl diazonitriles with ynamides and allenamides to yield 1-amino-1H-indenes. <i>Chemical Communications</i> , 2016, 52, 11434-11437.	4.1	24
87	Gold-Catalyzed Intermolecular Oxidations of 2-Ketonyl-1-Ethynyl Benzenes with <i>N</i> -Hydroxyanilines to Yield 2-Aminoindenones via Gold Carbene Intermediates. <i>Angewandte Chemie</i> , 2016, 128, 12071-12075.	2.0	5
88	Gold-Catalyzed Intermolecular Oxidations of 2-Ketonyl-1-Ethynyl Benzenes with <i>N</i> -Hydroxyanilines to Yield 2-Aminoindenones via Gold Carbene Intermediates. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11892-11896.	13.8	41
89	Skeletal Rearrangement in the Zn <sup>II</sup> -Catalyzed [4+2] Annulation of Disubstituted <i>N</i> -Hydroxy Allenylamines with Nitrosoarenes to Yield Substituted 1,2-Oxazinan-3-one Derivatives. <i>Chemistry - A European Journal</i> , 2016, 22, 15881-15887.	3.3	8
90	Two Distinct Cyclizations of 2-Propenyl-1-ethynyl Benzenes with Aryldiazo Esters Using Au and Rh/Au Catalysts Respectively. <i>ACS Catalysis</i> , 2016, 6, 7160-7166.	11.2	13

#	ARTICLE	IF	CITATIONS
91	Gold-catalyzed [4+3] and [4+4]-annulation reactions of t-butyl propiolate derivatives with epoxides and oxetanes for the construction of 1,4-dioxepane and 1,5-dioxocane cores. <i>Chemical Communications</i> , 2016, 52, 7482-7485.	4.1	28
92	Gold-Catalyzed Imination/Mannich Reaction Cascades of $\beta$ -Enamides with Anilines and Aldehydes to Enable 1,5-Nitrogen Functionalizations. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1421-1427.	4.3	32
93	Sulfonamide-directed gold-catalyzed [2+2+2]-cycloadditions of nitriles with two discrete ynamides to construct 2,4-diaminopyridine cores. <i>Chemical Communications</i> , 2016, 52, 3187-3190.	4.1	57
94	[3 + 2]-Annulations of <i>N</i> -Hydroxy Allenylamines with Nitrosoarenes: One-Pot Synthesis of Substituted Indole Products. <i>Organic Letters</i> , 2016, 18, 412-415.	4.6	34
95	One-Pot Stereocontrolled Synthesis of Bicyclic Pyrrolidine Derivatives by a Platinum-Bronsted Acid Relay Cascade Reaction. <i>ChemCatChem</i> , 2015, 7, 2824-2825.	3.7	4
96	Alkene-Directed <i>N</i> -Attack Chemoselectivity in the Gold-Catalyzed [2+2+1]-Annulations of 1,6-Enynes with <i>N</i> -Hydroxyanilines. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14924-14928.	13.8	33
97	Zinc(II)-Catalyzed Intermolecular Hydrative Aldol Reactions of $\beta$ -Enamides with Aldehydes and Water to form Branched Aldol Products Regio- and Stereoselectively. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3812-3816.	13.8	45
98	Gold-Catalyzed Cycloaddition Reactions of Ethyl Diazoacetate, Nitrosoarenes, and Vinylidazo Carbonyl Compounds: Synthesis of Isoxazolidine and Benzo[ <i>b</i> ]azepine Derivatives. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4923-4926.	13.8	110
99	Cu-Catalyzed Aerobic Oxidative Cyclizations of $\beta$ -Hydroxyamino- $\alpha,\beta$ -unsaturated alkenes with Alcohols, Thiols, and Amines To Form $\alpha,\beta$ -Unsaturated $\gamma$ -Lactams and <i>N</i> -Substituted 4-Methylquinoline Derivatives. <i>Chemistry - A European Journal</i> , 2015, 21, 4590-4594.	3.3	20
100	Gold-catalyzed formal [4 $\pi$ + 2 $\pi$ ]-cycloadditions of propiolate derivatives with unactivated nitriles. <i>Chemical Science</i> , 2015, 6, 5964-5968.	7.4	38
101	Synthesis of planar dibenzo[ <i>de,op</i> ]bistetracene derivatives for organic field-effect transistor applications: substituent effect on crystal packing and charge transport property. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7583-7588.	5.5	15
102	Gold-catalyzed formal [4 $\pi$ +2 $\pi$ ]-cycloadditions of tert-butyl propiolates with aldehydes and ketones to form 4H-1,3-dioxine derivatives. <i>Chemical Communications</i> , 2015, 51, 13004-13007.	4.1	23
103	Diversity in Gold-Catalyzed Formal Cycloadditions of Ynamides with Azidoalkenes or 2- <i>H</i> -Azirines: [3+2] versus [4+3] Cycloadditions. <i>Chemistry - A European Journal</i> , 2015, 21, 10843-10850.	3.3	120
104	Gold-catalyzed reactions of propargylic esters with vinylazides for the synthesis of Z- or E-configured buta-1,3-dien-2-yl esters. <i>Chemical Communications</i> , 2015, 51, 15462-15464.	4.1	25
105	Gold-catalyzed 1,2-iminonitronation of electron-deficient alkynes with nitrosoarenes to afford $\beta$ -imido yl nitrones. <i>Chemical Communications</i> , 2014, 50, 15864-15866.	4.1	27
106	Gold-Catalyzed Carboalkoxylations of $\beta$ -Ethylnylbenzyl Ethers to form $\alpha,\beta$ - and $\alpha,\gamma$ -Indanones Chemoselectively: Effects of Ligands and Solvents. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 144-152.	4.3	28
107	Gold-Catalyzed 1,2-Oxoarylations of Nitriles with Pyridine-Derived Oxides. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5444-5448.	13.8	85
108	GOLD CATALYSIS ON TANDEM AND CASCADE REACTIONS. <i>Catalytic Science Series</i> , 2014, , 253-274.	0.0	2

#	ARTICLE	IF	CITATIONS
109	Gold-catalyzed annulations of allenes with N-hydroxyanilines to form indole derivatives with benzaldehyde as a promoter. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 737.	2.8	13
110	Copper-Catalyzed Aerobic Oxidations of N-Hydroxyaminoprop-1-ynes to Form Substituted Amino-2-en-1-ones: Oxidative Mannich Reactions with a Skeletal Rearrangement. <i>Chemistry - A European Journal</i> , 2014, 20, 13927-13931.	3.3	14
111	Copper-Catalyzed Oxidative Dimerizations of N-Hydroxyaminoprop-1-ynes to form 1,4-Dihydroxy-2,3-diaminocyclohexanes with $C_2$ -Symmetry. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12885-12888.	13.8	20
112	Gold- and Silver-Catalyzed [4+2] Cycloadditions of Ynamides with Oxetanes and Azetidines. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2411-2416.	4.3	47
113	Catalytic Formal [4 + 2] Cycloadditions between Unactivated Allenes and N-Hydroxyaniline Catalyzed by AuCl <sub>3</sub> /CuCl <sub>2</sub> /O <sub>2</sub> . <i>Journal of Organic Chemistry</i> , 2014, 79, 4306-4311.	3.2	30
114	Oxidant-Dependent Chemoselectivity in the Gold-Catalyzed Oxidative Cyclizations of 3,4,6-Tetrasubstituted 3,5-Dien-1-ynes. <i>Journal of Organic Chemistry</i> , 2013, 78, 7970-7976.	3.2	39
115	Gold-Catalyzed Oxidative Cyclization of 4-Alkenyl-1-ynes with 8-Methylquinoline Oxide. <i>Organic Letters</i> , 2013, 15, 4094-4097.	4.6	26
116	Gold-Catalyzed Oxidative Cycloadditions to Activate a Quinoline Framework. <i>Chemistry - A European Journal</i> , 2013, 19, 12965-12969.	3.3	41
117	Gold-Catalyzed Oxidative Cyclizations on 1,4-Enynes: Evidence for a Substituent Effect on Wagner-Meerwein Rearrangements. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4229-4234.	13.8	94
118	Gold-Catalyzed Cyclization/Oxidative [3+2] Cycloadditions of 1,5-Enynes with Nitrosobenzenes without Additional Oxidants. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4599-4603.	13.8	52
119	Gold-Catalyzed Reactions between Alkenyldiazo Carbonyl Species and Acetals. <i>Journal of Organic Chemistry</i> , 2013, 78, 5711-5716.	3.2	37
120	Silver-Catalyzed Stereoselective [3+2] Cycloadditions of Cyclopropylindanimines with Carbonyl Compounds. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1545-1552.	4.3	23
121	Gold-Catalyzed Formal Cycloaddition of Ethynylbenzyl Ethers with Organic Oxides and Diazoesters. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7559-7563.	13.8	118
122	Access to molecular complexity via gold- and platinum-catalyzed cascade reactions. <i>Pure and Applied Chemistry</i> , 2012, 84, 1749-1757.	1.9	20
123	Development of a Povarov Reaction/Carbene Generation Sequence for Alkenyldiazocarbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11809-11813.	13.8	121
124	Oxy Effects on the Platinum-Catalyzed Carbo- and Oxacyclizations of Oxiranyl(alkoxyalkynyl)benzenes. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2241-2250.	4.3	5
125	Gold-catalyzed diastereoselective [2+2+2]-cycloaddition of 1,7-enynes with carbonyl compounds. <i>Chemical Communications</i> , 2012, 48, 10975.	4.1	41
126	Platinum-Catalyzed Oxoarylations of Ynamides with Nitrones. <i>Organic Letters</i> , 2012, 14, 5522-5525.	4.6	65



#	ARTICLE	IF	CITATIONS
127	Gold-Catalyzed Cyclization-Cycloaddition Cascade Reactions of Allenyl Acetals with Nitrones. <i>Chemistry - A European Journal</i> , 2012, 18, 13638-13641.	3.3	16
128	Gold-catalyzed isomerization of unactivated allenes into 1,3-dienes under ambient conditions. <i>Chemical Communications</i> , 2012, 48, 6577.	4.1	53
129	Gold-catalyzed synthesis of substituted 2-aminofurans via formal [4+1]-cycloadditions on 3-en-1-ynamides. <i>Chemical Communications</i> , 2012, 48, 7200.	4.1	140
130	Gold-Catalyzed Oxidative Cyclizations of <i>cis</i> -1,3-Enediyne To Form Cyclopentenone Derivatives. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2939-2942.	13.8	166
131	Intermolecular Gold-Catalyzed Diastereo- and Enantioselective [2+2+3] Cycloadditions of 1,6-Enynes with Nitrones. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7835-7838.	13.8	75
132	Retention of Stereochemistry in Gold-Catalyzed Formal [4+3] Cycloaddition of Epoxides with Arenynamides. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8722-8726.	13.8	70
133	Gold-Catalyzed Intermolecular [4+2] and [2+2+2] Cycloadditions of Ynamides with Alkenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 113-117.	13.8	129
134	Gold-Catalyzed 1,2-Difunctionalizations of Aminoalkynes Using Only N- and O-Containing Oxidants. <i>Journal of the American Chemical Society</i> , 2011, 133, 15372-15375.	13.7	190
135	Highly efficient deep-blue organic electroluminescent devices doped with hexaphenylanthracene fluorophores. <i>Journal of Materials Chemistry</i> , 2011, 21, 8122.	6.7	37
136	Gold-Catalyzed Stereoselective Synthesis of Azacyclic Compounds through a Redox/[2 + 2 + 1] Cycloaddition Cascade of Nitroalkyne Substrates. <i>Journal of the American Chemical Society</i> , 2011, 133, 1769-1771.	13.7	127
137	Gold-Catalyzed Formal [3 + 3] and [4 + 2] Cycloaddition Reactions of Nitrosobenzenes with Alkenylgold Carbenoids. <i>Journal of the American Chemical Society</i> , 2011, 133, 20728-20731.	13.7	177
138	Silver-Catalyzed <i>exo</i> - <i>dig</i> -Azacyclization/[3+2]-Cycloaddition Cascades on 1-Tosylhydrazon-4-oxa-5-yne Substrates: Applicability to Diverse Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1877-1882.	4.3	21
139	Gold-Catalyzed Oxidative Cyclizations of 2-Oxiranyl-1-alkynylbenzenes for Diastereoselective Synthesis of Highly Substituted 2-Hydroxyindanones. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2589-2592.	4.3	8
140	Gold-Catalyzed Oxidative Cyclization of 1,5-Enynes Using External Oxidants. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6911-6914.	13.8	237
141	Gold-Catalyzed Synthesis of Bicyclo[3.2.0]heptenes <i>via</i> a Formal [3+2]/[2+2]-Annulation of Allylsilane with 4-Methoxybut-2-yn-1-ols. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1605-1609.	4.3	11
142	Gold-Catalyzed Oxidative Ring Expansions and Ring Cleavages of Alkynylcyclopropanes by Intermolecular Reactions Oxidized by Diphenylsulfoxide. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9891-9894.	13.8	218
143	Gold-Catalyzed Stereoselective Synthesis of 9-Oxabicyclo[3.3.1]nona-4,7-dienes from Diverse 1-Oxo-4-oxo-5-yne: A Viable Formal [4 + 2] Cycloaddition on an <i>s</i> - <i>trans</i> -Heterodiene Framework. <i>Journal of the American Chemical Society</i> , 2010, 132, 12565-12567.	13.7	58
144	Gold-Catalyzed Stereocontrolled Oxacyclization/[4+2]-Cycloaddition Cascade of Ketone-Allene Substrates. <i>Journal of the American Chemical Society</i> , 2010, 132, 9298-9300.	13.7	87

#	ARTICLE	IF	CITATIONS
145	A 1,3-carbonyl shift in the platinum-catalyzed aromatization of 2-epoxy-1-(methoxyalk-2-ynyl)benzenes. <i>Chemical Communications</i> , 2010, 46, 4601.	4.1	15
146	Gold-Catalyzed Intramolecular [3+2] Cycloadditions of 1-Aryl-1-Allenynes. <i>Chemistry - A European Journal</i> , 2009, 15, 8895-8901.	3.3	36
147	Carbocyclisation of alkynes with external nucleophiles catalysed by gold, platinum and other electrophilic metals. <i>Chemical Society Reviews</i> , 2009, 38, 2269.	38.1	410
148	Stereocontrolled Synthesis of Complicated Oxacyclic Compounds via Platinum-Catalyzed [4 + 2]-Cycloadditions and Annulations of Enynals with Allylic Alcohols. <i>Journal of the American Chemical Society</i> , 2009, 131, 2090-2091.	13.7	88
149	Shear-Induced Uniaxial Assembly of Polyaromatic Monolayers. <i>E-Journal of Surface Science and Nanotechnology</i> , 2009, 7, 157-160.	0.4	2
150	Gold-Catalyzed 1,3-Addition of a sp <sup>3</sup> -Hybridized C-H Bond to Alkenylcarbenoid Intermediate. <i>Journal of the American Chemical Society</i> , 2008, 130, 16488-16489.	13.7	139
151	Gold-Catalyzed Hydrative Carbocyclization of 1,5- and 1,7-Allenynes Mediated by $\eta^5$ -Allene Complex: Mechanistic Evidence Supported by the Chirality Transfer of Allenyne Substrates. <i>Journal of Organic Chemistry</i> , 2008, 73, 4907-4914.	3.2	90
152	Gold-Catalyzed [4+3]-Annulation of Oxabicyclic Benzenes with 2-Substituted Allylsilanes through Tandem Allylation and Cyclization. <i>Organic Letters</i> , 2008, 10, 521-524.	4.6	41
153	The Skeletal Rearrangement of Gold- and Platinum-Catalyzed Cycloisomerization of <i>cis</i> -4,6-Dien-1-yn-3-ols: Pinacol Rearrangement and Formation of Bicyclo[4.1.0]heptenone and Reorganized Styrene Derivatives. <i>Journal of the American Chemical Society</i> , 2007, 129, 15677-15683.	13.7	76
154	Gold-Catalyzed Deoxygenated Cyclization of <i>cis</i> -2,4-Dien-1-als with Regioselective Addition of Two Nucleophiles. One-Pot Synthesis of Highly Functionalized Cyclopentene Framework. <i>Journal of the American Chemical Society</i> , 2007, 129, 3798-3799.	13.7	74
155	Ruthenium-Catalyzed Cyclization of 2-Alkyl-1-ethynylbenzenes via a 1,5-Hydrogen Shift of Ruthenium-Vinylidene Intermediates. <i>Journal of Organic Chemistry</i> , 2007, 72, 3289-3292.	3.2	74
156	Gold-Catalyzed Intramolecular [3 + 2]-Cycloaddition of Arenyne-Yne Functionalities. <i>Journal of the American Chemical Society</i> , 2006, 128, 11372-11373.	13.7	135
157	Ruthenium-Catalyzed Cycloisomerization of <i>cis</i> -3-En-1-ynes to Cyclopentadiene and Related Derivatives through a 1,5-Sigmatropic Hydrogen Shift of Ruthenium-Vinylidene Intermediates. <i>Journal of the American Chemical Society</i> , 2005, 127, 11606-11607.	13.7	75
158	Ruthenium-Catalyzed Transformation of Aryl and Alkynyl Propargyl Ethers into Aryl and Alkynyl Ketones via Cleavage of a Carbon-Carbon Triple Bond. <i>Organometallics</i> , 2004, 23, 4332-4334.	2.3	29
159	Ruthenium-Catalyzed Cycloisomerization of <i>o</i> -(Ethynyl)phenylalkenes to Diene Derivatives via Skeletal Rearrangement. <i>Journal of the American Chemical Society</i> , 2004, 126, 15560-15565.	13.7	77
160	A Novel Stereocontrolled Synthesis of <i>Cis</i> -Fused Bicyclic Lactams via [3 + 2]-Cycloaddition of Alkynyltungsten Complexes with Tethered Aziridines. <i>Organic Letters</i> , 2002, 4, 4151-4153.	4.6	41
161	Stereocontrolled Synthesis of Acyclic 1,3-Diols via Condensation of Tungsten-syn- $\eta^5$ -Pentadienyl Complexes with Aldehydes. A New Prins Reaction via <i>trans</i> -Diene Cationic Intermediates. <i>Journal of Organic Chemistry</i> , 2001, 66, 1781-1786.	3.2	12
162	Enantiocontrolled Construction of Tricyclic Furan Derivatives via an Asymmetric Diels-Alder Reaction. <i>Organic Letters</i> , 2001, 3, 1295-1298.	4.6	9

#	ARTICLE	IF	CITATIONS
163	Synthesis of oxygen heterocycles via alkynyltungsten compounds. <i>Pure and Applied Chemistry</i> , 2001, 73, 265-269.	1.9	16
164	Facile Synthesis of Oxa- and Azacyclic Dienes via Cycloalkenation of Alkynyltungsten Compounds. Stereoselective Construction of Tricyclic Furan and Pyran Derivatives via Intramolecular Diels-Alder Reaction. <i>Journal of Organic Chemistry</i> , 2000, 65, 3761-3766.	3.2	11
165	Synthesis of Heterocyclic and Carbocyclic Compounds via Alkynyl, Allyl, and Propargyl Organometallics of Cyclopentadienyl Iron, Molybdenum, and Tungsten Complexes. <i>Chemical Reviews</i> , 2000, 100, 3127-3162.	47.7	62
166	Total Synthesis of (+)-Blastmycinone, (â)-Litsenolide C1, and Related Natural Trisubstituted Lactones via Alkynyltungsten Compounds. <i>Journal of Organic Chemistry</i> , 2000, 65, 6362-6367.	3.2	44
167	Stereocontrolled Synthesis of Tungsten-Allene-Allyl Complexes Comprising Two Remoted Alcohols. <i>Organometallics</i> , 2000, 19, 4458-4462.	2.3	3
168	Stereocontrolled Synthesis of Functionalized Bicyclic $\beta$ -Methylene Butyrolactones via Tungsten-Mediated Intramolecular Allylation of Aldehydes. <i>Journal of Organic Chemistry</i> , 1999, 64, 7552-7558.	3.2	9
169	Synthesis of Natural $\beta$ -Methylene Butyrolactones via Tungsten-Allene-Allyl Complexes. Total Synthesis of (â)-Methylenolactocin. <i>Journal of Organic Chemistry</i> , 1998, 63, 9122-9124.	3.2	36
170	Cycloaddition of Tungsten-1-3-Furyl Compounds with Alkenes and Alkynes: Syntheses and Ring Cleavage of Tungsten-1-Oxabicycloheptene and $\alpha$ -1-Oxabicycloheptadiene Compounds. <i>Organometallics</i> , 1998, 17, 4206-4212.	2.3	5
171	Oxidative Carbonylation of Alkynyltungsten Compounds via Protonation with Triflic Acid. <i>Organometallics</i> , 1998, 17, 2683-2685.	2.3	11
172	A Transition-Metal-4-Diene Cation Can Undergo Nucleophilic Addition at the Internal Carbon. <i>Organometallics</i> , 1998, 17, 1002-1003.	2.3	6
173	Siloxy Effect on Intramolecular Cyclization of Tungsten-1-Siloxypropargyl Complexes: Formation of 2,5-Dihydrofurans versus $\beta$ -Lactones. <i>Organometallics</i> , 1997, 16, 3987-3992.	2.3	17
174	Tungsten(II)-Carbene Complex Functions as a Dicationic Synthon: Efficient Constructions of Furan and Pyran Frameworks from Readily Available $\beta$ - and $\mu$ -Alkynols. <i>Journal of the American Chemical Society</i> , 1997, 119, 4404-4412.	13.7	55
175	Synthesis, Protonation, and Electrophilic Alkylation of CpW(CO) <sub>2</sub> [1-3-2-(phenylethynyl)allyl]. <i>Organometallics</i> , 1996, 15, 1565-1571.	2.3	6