

Ruimao Hua

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103
papers

2,634
citations

29
h-index

47
g-index

133
ext. papers

2,947
ext. citations

3.3
avg, IF

5.7
L-index

#	Paper	IF	Citations
103	Efficient copper-free PdCl ₂ (PCy ₃) ₂ -catalyzed Sonogashira coupling of aryl chlorides with terminal alkynes. <i>Journal of Organic Chemistry</i> , 2006 , 71, 2535-7	4.2	152
102	Rhodium(III)-catalyzed C-H activation and indole synthesis with hydrazone as an auto-formed and auto-cleavable directing group. <i>Chemistry - A European Journal</i> , 2014 , 20, 2352-6	4.8	145
101	Synthesis of isoquinolines and heterocycle-fused pyridines via three-component cascade reaction of aryl ketones, hydroxylamine, and alkynes. <i>Journal of Organic Chemistry</i> , 2012 , 77, 5794-800	4.2	138
100	Highly chemo- and stereoselective palladium-catalyzed transfer semihydrogenation of internal alkynes affording cis-alkenes. <i>Journal of Organic Chemistry</i> , 2010 , 75, 2966-70	4.2	95
99	Recent Advances in Bismuth-Catalyzed Organic Synthesis. <i>Current Organic Synthesis</i> , 2008 , 5, 1-27	1.9	93
98	Re(CO) ₅ Br-catalyzed coupling of epoxides with CO ₂ affording cyclic carbonates under solvent-free conditions. <i>Journal of Organic Chemistry</i> , 2005 , 70, 381-3	4.2	90
97	An Efficient and Selective Hydroarylation of Styrenes with Electron-Rich Arenes, Catalyzed by Bismuth(III) Chloride and Affording Markovnikov Adducts. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 4231-4236	3.2	82
96	Re(CO) ₅ Br-catalyzed addition of carboxylic acids to terminal alkynes: a high anti-Markovnikov and recoverable homogeneous catalyst. <i>Journal of Organic Chemistry</i> , 2004 , 69, 5782-4	4.2	68
95	Modular assembly of ring-fused and extended phenanthroimidazoles via C-H activation and alkyne annulation. <i>Journal of Organic Chemistry</i> , 2014 , 79, 3930-6	4.2	66
94	Stereodivergent ruthenium-catalyzed transfer semihydrogenation of diaryl alkynes. <i>Chemistry - A European Journal</i> , 2011 , 17, 8462-5	4.8	65
93	Gold(I)-catalyzed direct C-H arylation of pyrazine and pyridine with aryl bromides. <i>Tetrahedron Letters</i> , 2009 , 50, 1478-1481	2	64
92	Cycloaddition of Alkynes: Atom-Economic Protocols for Constructing Six-Membered Cycles. <i>Current Organic Chemistry</i> , 2011 , 15, 712-729	1.7	61
91	Highly efficient nitration of phenolic compounds in solid phase or solution using Bi(NO ₃) ₃ ·5H ₂ O as nitrating reagent. <i>Journal of Organic Chemistry</i> , 2005 , 70, 9071-3	4.2	60
90	One-pot synthesis of multisubstituted 2-aminoquinolines from annulation of 1-aryl tetrazoles with internal alkynes via double C-H activation and denitrogenation. <i>Journal of Organic Chemistry</i> , 2014 , 79, 11541-8	4.2	59
89	C-H Activation and Alkyne Annulation via Automatic or Intrinsic Directing Groups: Towards High Step Economy. <i>Chemical Record</i> , 2018 , 18, 556-569	6.6	53
88	CuCl-catalyzed cycloaddition of 1,3-butadiynes with primary amines: an atom-economic process for synthesis of 1,2,5-trisubstituted pyrroles. <i>Tetrahedron Letters</i> , 2010 , 51, 4512-4514	2	52
87	Recent Development of Rhenium-Catalyzed Organic Synthesis. <i>Current Organic Synthesis</i> , 2007 , 4, 151-174	1.4	48

86	A general approach to arylated furans, pyrroles, and thiophenes. <i>Tetrahedron</i> , 2014 , 70, 8252-8256	2.4	46
85	Nickel-catalyzed thioallylation of alkynes with allyl phenyl sulfides. <i>Organic Letters</i> , 2007 , 9, 263-6	6.2	46
84	Efficient DMF-Catalyzed Coupling of Epoxides with CO ₂ under Solvent-Free Conditions to Afford Cyclic Carbonates. <i>Synthetic Communications</i> , 2006 , 36, 3141-3148	1.7	45
83	An efficient synthesis of unsymmetrical diarylmethanes from the dehydration of arenes with benzyl alcohols using InCl ₃ ·4H ₂ O/acetylacetone catalyst system. <i>Tetrahedron</i> , 2007 , 63, 10185-10188	2.4	44
82	Rhodium-catalyzed nondecarbonylative addition reaction of ClCOCOOCH ₃ to alkynes. <i>Chemistry - A European Journal</i> , 2005 , 11, 3621-30	4.8	41
81	Copper-catalyzed three-component one-pot synthesis of quinazolines. <i>Tetrahedron</i> , 2012 , 68, 9364-9370	2.4	39
80	Palladium-Catalyzed Efficient and One-Pot Synthesis of Diarylacetylenes from the Reaction of Aryl Chlorides with 2-Methyl-3-butyn-2-ol. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 1738-1742	5.6	39
79	An efficient palladium-catalyzed Heck coupling of aryl chlorides with alkenes. <i>Tetrahedron Letters</i> , 2006 , 47, 2573-2576	2	39
78	Synthesis of Natural Product-like Polyheterocycles via One-Pot Cascade Oximation, C-H Activation, and Alkyne Annulation. <i>Journal of Organic Chemistry</i> , 2016 , 81, 8911-8919	4.2	36
77	Reactions of a carbamoylstannane with acid chlorides: highly efficient synthesis of alpha-oxo amides. <i>Journal of Organic Chemistry</i> , 2004 , 69, 974-6	4.2	33
76	Acid-catalyzed carboxylic acid esterification and ester hydrolysis mechanism: acylium ion as a sharing active intermediate via a spontaneous trimolecular reaction based on density functional theory calculation and supported by electrospray ionization-mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 30279-91	3.6	32
75	Brønsted Acid-Promoted One-Pot Synthesis of Chrysene Derivatives via Isochromenylium Intermediate Formed in Situ. <i>Journal of Organic Chemistry</i> , 2015 , 80, 7635-41	4.2	31
74	ReCl(CO) ₅ -catalyzed cyclocondensation of phenols with 2-methyl-3-butyn-2-ol to afford 2,2-dimethyl-2H-chromenes. <i>Tetrahedron Letters</i> , 2011 , 52, 3926-3928	2	27
73	Palladium-catalysed annulation of α -chloro- β -unsaturated esters with internal alkynes leading to 2H-pyran-2-ones. <i>New Journal of Chemistry</i> , 2001 , 25, 179-184	3.6	25
72	A domino three-component condensation of ortho-haloacetophenones with urea or amines: a novel one-pot synthesis of halogen-substituted quinolines. <i>Tetrahedron</i> , 2009 , 65, 1316-1320	2.4	24
71	Rhodium(I)-catalyzed reductive cyclocarbonylation of internal alkynes: atom-economic process for synthesis of 2-cyclopenten-1-ones, 5-alkylidene-furan-2(5H)-ones and indan-1-ones. <i>Chemistry - A European Journal</i> , 2009 , 15, 3817-22	4.8	23
70	Highly efficient K ₇ NiV ₁₃ O ₃₈ -catalyzed hydroxylation of aromatics with aqueous hydrogen peroxide (30%). <i>Applied Catalysis A: General</i> , 2004 , 270, 223-226	5.1	22
69	Synthesis of 3,5-disubstituted 1,2,4-oxadiazoles and their behavior of liquid crystallines. <i>Tetrahedron Letters</i> , 2014 , 55, 1557-1560	2	21

68	Ru ₃ (CO) ₁₂ -catalyzed reactions of catechols with alkynes: an atom-economic process for the synthesis of 2,2-disubstituted 1,3-benzodioxoles from the double addition of the O-H bond across a triple bond. <i>Journal of Organic Chemistry</i> , 2008 , 73, 8658-60	4.2	21
67	Silver-catalyzed chemoselective annulation of propargyl amines with alkynes for access to pyridines and pyrroles. <i>Tetrahedron</i> , 2017 , 73, 6080-6084	2.4	20
66	Cycloaddition of 1,4-Diaryl-1,3-butadiynes with Nitriles: An Atom-economic One-pot Approach to Benzo[f]quinazolines. <i>Chemistry Letters</i> , 2013 , 42, 769-771	1.7	20
65	An Efficient Rhodium-Catalyzed Double Hydroaminocarbonylation of Alkynes with Carbon Monoxide and Amines Affording 1,4-Diamide Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 849-852	5.6	20
64	Au(I)-catalyzed annulation of propargyl amine with aldehydes: one-pot cascade synthesis of 2,5-dimethylpyrazines. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 3599-608	6.3	19
63	Regioselective Re(I)-catalyzed coupling of terminal alkynes, Et ₂ NH, and CO ₂ leading to anti-Markovnikov adducts. <i>Tetrahedron Letters</i> , 2006 , 47, 953-955	2	19
62	HNO/HFIP: A Nitrating System for Arenes with Direct Observation of π Complex Intermediates. <i>Organic Letters</i> , 2018 , 20, 3197-3201	6.2	19
61	Cycloaddition of 1,3-butadiynes: efficient synthesis of carbo- and heterocycles. <i>Molecules</i> , 2014 , 19, 13788-13802	4.8	18
60	Copper(I)-catalyzed reaction of diaryl buta-1,3-diyne with cyclic amines: an atom-economic approach to amino-substituted naphthalene derivatives. <i>Tetrahedron Letters</i> , 2011 , 52, 4408-4411	2	18
59	A highly efficient cycloaddition of vinylarenes with electron-deficient alkynes affording 1,2-disubstituted-3,4-dihydronaphthalenes catalysed by N,N-dimethylformamide dimethyl acetal. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 1854-7	3.9	18
58	Highly Regioselective Rhenium-Catalyzed Hydrosilylation of Styrenes. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 5495-5498	3.2	18
57	An Efficient Bismuth(III) Chloride-Catalyzed Synthesis of 1,1-Diaryllkenes via Friedel-Crafts Reaction of Acyl Chloride or Vinyl Chloride with Arenes. <i>Advanced Synthesis and Catalysis</i> , 2006 , 348, 1919-1925	5.6	18
56	Base-promoted nucleophilic fluoroarenes substitution of CF bonds. <i>Tetrahedron</i> , 2018 , 74, 303-307	2.4	18
55	ReBr(CO) ₅ -catalyzed sequential addition/cyclization of 1,3-dicarbonyl compounds with electron-deficient internal alkynes affording trisubstituted 2H-pyran-2-ones. <i>Tetrahedron</i> , 2007 , 63, 11803-11808	2.4	17
54	Synthesis of 3-methyleneisoindolin-1-ones via palladium-catalyzed C-C bond cleavage and cyclocarbonylation of ortho-chloro ketimines. <i>Tetrahedron Letters</i> , 2013 , 54, 5159-5161	2	16
53	An alternative efficiently Ru ₃ (CO) ₁₂ -catalyzed reductive cyclocarbonylation of alkynes affording substituted furan-2(5H)-ones. <i>Catalysis Communications</i> , 2007 , 8, 1031-1035	3.2	16
52	Rhodium-catalyzed [2+2+1+1] cyclocarbonylative coupling of alkynes with carbon monoxide affording tetrasubstituted p-benzoquinones. <i>Chemistry - A European Journal</i> , 2007 , 13, 8333-7	4.8	16
51	Quinazolinone Synthesis through Base-Promoted S _A r Reaction of -Fluorobenzamides with Amides Followed by Cyclization. <i>ACS Omega</i> , 2019 , 4, 8207-8213	3.9	15

50	Conversion of carbon dioxide into 2-oxazolidinones and 2(3H)-oxazolones catalyzed by 2,2',2''-terpyridine. <i>Tetrahedron</i> , 2016 , 72, 1200-1204	2.4	15
49	Synthesis of Heterocycles by Using Propargyl Compounds as Versatile Synthons. <i>Mini-Reviews in Organic Chemistry</i> , 2018 , 15, 198-207	1.7	15
48	Synthesis and antiproliferative activity of RITA and its analogs. <i>Tetrahedron Letters</i> , 2014 , 55, 6635-6638	2	14
47	Synthesis of chrysene derivatives via copper-catalyzed one-pot dimerization of 2-alkynyl-1-acetylbenzenes. <i>Journal of Organic Chemistry</i> , 2014 , 79, 4352-7	4.2	14
46	Recent Advances in Construction of Polycyclic Natural Product Scaffolds via One-Pot Reactions Involving Alkyne Annulation. <i>Frontiers in Chemistry</i> , 2020 , 8, 580355	5	14
45	Efficient DMF-Promoted Solventless Hydrolysis of Epoxides with Equimolar Amount of H ₂ O, Affording 1,2-Diols. <i>Synthetic Communications</i> , 2008 , 38, 232-238	1.7	13
44	ReBr(CO) ₅ -Catalyzed Knoevenagel Condensation. <i>Synthetic Communications</i> , 2004 , 34, 3219-3225	1.7	13
43	Copper-Catalyzed Synthesis of Isoquinolines by the Cyclocondensation of ortho- Alkynyl Aromatic Aldehydes or Ketones with Urea. <i>Current Organic Synthesis</i> , 2013 , 10, 328-332	1.9	13
42	An Efficient Copper-Catalyzed Cyclocondensation of Anilines with Propargyl Alcohols Approach to 1,2-Dihydroquinolines. <i>Current Organic Synthesis</i> , 2012 , 9, 273-277	1.9	12
41	Palladium-catalyzed [3+2+1] cyclocarbonylative coupling of 1,3-cyclohexanediones, alkynes, and carbon monoxide: an atom-economic route to chromene-2,5-dione derivatives. <i>Tetrahedron Letters</i> , 2010 , 51, 6433-6435	2	12
40	Palladium-Catalyzed Cycloaddition of 1,3-Butadiynes with Water: An Alternative Efficient Catalytic System for Atom-Economic Synthesis of 2,5-Disubstituted Furans. <i>Current Organic Synthesis</i> , 2013 , 10, 161-164	1.9	11
39	Synthesis of fused polycyclic indoles via Cu(II)-catalyzed intramolecular cyclization of N-(2-cyanophenyl)indoles in the presence of diaryliodonium salts. <i>Tetrahedron</i> , 2017 , 73, 395-402	2.4	10
38	Synthesis of Benzofulvene Derivatives from Diarylacetylenes via Pd(II)-Catalyzed Alkyne-Directed C(sp ²)-H Bond Activation. <i>Journal of Organic Chemistry</i> , 2015 , 80, 8430-4	4.2	10
37	One-pot Approach to 4-Vinyl-1,2,3-Triazoles by Cycloaddition of Azides with Propargyl Alcohols Catalyzed by Cu(I)/Ru(III)/TFA. <i>Current Organic Synthesis</i> , 2012 , 9, 898-902	1.9	10
36	Base-Promoted Reactions of Fluoro- and Chloroarenes as a Route to -Aryl Indoles and Carbazoles. <i>Molecules</i> , 2019 , 24,	4.8	9
35	An alternative CuCl ₂ /piperidine-catalyzed oxidative homocoupling of terminal alkynes affording 1,3-diynes in air. <i>Applied Organometallic Chemistry</i> , 2009 , 24, n/a-n/a	3.1	9
34	Palladium-catalyzed Heck coupling of 2-vinylpyridine with aryl chlorides. <i>Applied Organometallic Chemistry</i> , 2008 , 22, 397-401	3.1	9
33	[Cu(malo NHC)]-catalyzed synthesis of 2-aryl pyrazolo[5,1-a]isoquinolines by annulation of N ² -(2-((trimethylsilyl)ethynyl)benzylidene)hydrazides with terminal aromatic alkynes. <i>Tetrahedron</i> , 2017 , 73, 6428-6435	2.4	8

32	CuSO ₄ ·5H ₂ O-catalyzed aminobenzannulation of ortho-alkynylaromatic ketones with anilines approach towards 1-aminonaphthalenes. <i>Tetrahedron</i> , 2016 , 72, 4608-4615	2.4	7
31	2,2',2''-Terpyridine-catalyzed synthesis of cyclic carbonates from epoxides and carbon dioxide under solvent-free conditions. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 9945-51	6.3	7
30	One-Pot Synthesis of 2,4,6-Triarylpyridines by the Oxidative Cyclocondensation of Benzaldehydes, Aromatic Alkynes and Ammonium Bifluoride. <i>Current Organic Synthesis</i> , 2013 , 10, 655-660	1.9	7
29	Synthesis of 3H-naphtho[2.1-b]pyran-2-carboxamides from cyclocoupling of naphthol, propargyl alcohols and isocyanide in the presence of Lewis acids. <i>Tetrahedron</i> , 2018 , 74, 3776-3780	2.4	7
28	Base-promoted synthesis of 1 H ,3 H -pyrrolo[1,2- c]thiazol-3-imine derivatives via [3+2] annulation of 2-alkynylpyrroles with isothiocyanates. <i>Tetrahedron</i> , 2016 , 72, 7613-7619	2.4	6
27	Base-Promoted Chemodivergent Formation of 1,4-Benzoxazepin-5(4)-ones and 1,3-Benzoxazin-4(4)-ones Switched by Solvents. <i>Molecules</i> , 2019 , 24,	4.8	6
26	Multikilogram Scale Organolithiation Chemistry for the Manufacture of Liquid Crystal Intermediates. <i>Organic Process Research and Development</i> , 2014 , 18, 1229-1233	3.9	6
25	Straightforward Approach to Synthesize 3,3'-Bipyrroles by Oxidative Homocoupling of 1,2,5-Trisubstituted Pyrroles. <i>Chemistry Letters</i> , 2013 , 42, 836-837	1.7	6
24	Palladium-catalyzed direct intramolecular double C-H arylation of 1,5-diketone: a strategy for synthesis of Tröger base analogues. <i>Tetrahedron Letters</i> , 2014 , 55, 3374-3376	2	5
23	Synthesis of 1,4-bis(phenylethynyl)benzenes and their application as blue phase liquid crystal composition. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 23257-73	6.3	5
22	Isoquinolone Syntheses by Annulation Protocols. <i>Catalysts</i> , 2021 , 11, 620	4	5
21	Isoquinolone Synthesis via Zn(OTf) ₂ -Catalyzed Aerobic Cyclocondensation of 2-(1-Alkynyl)-benzaldehydes with Arylamines. <i>Catalysts</i> , 2020 , 10, 683	4	4
20	Base-Promoted Annulation of Amidoximes with Alkynes: Simple Access to 2,4-Disubstituted Imidazoles. <i>Molecules</i> , 2020 , 25,	4.8	3
19	Synthesis of 1-Benzyl-, 1-Alkoxy-, and 1-Aminoisoquinolines via Rhodium(III)-Catalyzed Aryl C-H Activation and Alkyne Annulation. <i>Journal of Organic Chemistry</i> , 2021 , 86, 8862-8872	4.2	3
18	Palladium-Catalyzed Cycloaddition of 1,3-Butadiynes with Water: An Alternative Efficient Catalytic System for Atom-Economic Synthesis of 2,5-Disubstituted Furans. <i>Current Organic Synthesis</i> , 2013 , 10, 161-164	1.9	2
17	Novel C-N bond cleavage and formation in the polyoxometalates-catalyzed oxidation of nitroaromatics with 30% aqueous H ₂ O ₂ : An unprecedented disproportionation of nitroaromatics affording dinitroaromatics. <i>Inorganica Chimica Acta</i> , 2005 , 358, 4045-4048	2.7	2
16	Biaryl Formation via Base-Promoted Direct Coupling Reactions of Arenes with Aryl Halides. <i>ACS Omega</i> , 2021 , 6, 15981-15987	3.9	2
15	Synthesis of Alkyl Aryl Sulfones via Reaction of N-Arylsulfonyl Hydroxyamines with Electron-Deficient Alkenes. <i>Molecules</i> , 2016 , 22,	4.8	1

14	A concise synthesis of indolo[2,1-a]isoquinoline via alkyne annulations promoted by base. <i>Tetrahedron Letters</i> , 2021 , 153566	2	1
13	A Monomer-Polymer-Monomer (MPM) Organic Synthesis Strategy: Synthesis and Application of Polybenzofuran for Functionalizing Benzene Ring of Benzofuran. <i>Asian Journal of Organic Chemistry</i> , 2021 , 10, 2137-2142	3	1
12	Organocatalytic Transformation of Carbon Dioxide 2016 ,		1
11	Efficient, Simple Preparation of 1,3-Diamine Derivatives through Addition of Acrylamides with Secondary Amines. <i>Synthetic Communications</i> , 2005 , 35, 1375-1380	1.7	0
10	An Asymmetrical Cyanine Dye Nanoparticles for Small Vessel Photoacoustic Imaging In Vivo. <i>ChemNanoMat</i> , 2018 , 4, 626-630	3.5	0
9	Dimerization of Alkynes and Alkenes 2022 , 1-31		
8	Heterocycles from Cycloaddition of Alkynes 2022 , 285-364		
7	Natural Product Synthesis via Alkyne Transformation 2022 , 407-414		
6	Double Functionalization of Alkynes by Addition of CarbonElement Bonds 2022 , 183-234		
5	Functionalized Alkenes from Hydrofunctionalization of Alkynes 2022 , 47-102		
4	Carbonyl Compounds from Alkynes and Alkenes 2022 , 365-406		
3	Addition of C(sp) ³ H Bonds to Unsaturated Compounds 2022 , 33-46		
2	Carbocycles from Annulation of Alkynes and Alkenes 2022 , 235-284		
1	Cu(I)/Pd(II)-Catalyzed Intramolecular Hydroamidation and C-H Dehydrogenative Coupling of ortho-Alkynyl-N-arylbenzamides for Access to Isoindolo[2,1-a]Indol-6-Ones. <i>Molecules</i> , 2022 , 27, 3393	4.8	