

# Ruimao Hua

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A concise synthesis of indolo[2,1-a]isoquinoline via alkyne annulations promoted by base. <i>Tetrahedron Letters</i> , 2022, 88, 153566.	1.4	3
2	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.	3.8	2
3	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.	2.7	4
4	Isoquinolone Syntheses by Annulation Protocols. <i>Catalysts</i> , 2021, 11, 620.	3.5	23
5	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.	3.2	9
6	Biaryl Formation via Base-Promoted Direct Coupling Reactions of Arenes with Aryl Halides. <i>ACS Omega</i> , 2021, 6, 15981-15987.	3.5	9
7	Dual X-H Interaction of Hexafluoroisopropanol with Arenes. <i>Molecules</i> , 2021, 26, 4558.	3.8	7
8	Base-Promoted One-Pot Synthesis of Pyridine Derivatives via Aromatic Alkyne Annulation Using Benzamides as Nitrogen Source. <i>Molecules</i> , 2021, 26, 6599.	3.8	1
9	Recent Advances in Construction of Polycyclic Natural Product Scaffolds via One-Pot Reactions Involving Alkyne Annulation. <i>Frontiers in Chemistry</i> , 2020, 8, 580355.	3.6	41
10	Base-Promoted Annulation of Amidoximes with Alkynes: Simple Access to 2,4-Disubstituted Imidazoles. <i>Molecules</i> , 2020, 25, 3621.	3.8	6
11	Isoquinolone Synthesis via Zn(OTf) <sub>2</sub> -Catalyzed Aerobic Cyclocondensation of 2-(1-Alkynyl)-benzaldehydes with Arylamines. <i>Catalysts</i> , 2020, 10, 683.	3.5	11
12	Base-Promoted Chemodivergent Formation of 1,4-Benzoxazepin-5(4H)-ones and 1,3-Benzoxazin-4(4H)-ones Switched by Solvents. <i>Molecules</i> , 2019, 24, 3773.	3.8	11
13	Quinazolinone Synthesis through Base-Promoted S <sub>N</sub> Ar Reaction of ortho-Fluorobenzamides with Amides Followed by Cyclization. <i>ACS Omega</i> , 2019, 4, 8207-8213.	3.5	24
14	Base-Promoted S <sub>N</sub> Ar Reactions of Fluoro- and Chloroarenes as a Route to N-Aryl Indoles and Carbazoles. <i>Molecules</i> , 2019, 24, 1145.	3.8	17
15	C-H Activation and Alkyne Annulation via Automatic or Intrinsic Directing Groups: Towards High Step Economy. <i>Chemical Record</i> , 2018, 18, 556-569.	5.8	77
16	Base-promoted nucleophilic fluoroarenes substitution of C F bonds. <i>Tetrahedron</i> , 2018, 74, 303-307.	1.9	24
17	An Asymmetrical Cyanine Dye Nanoparticles for Small Vessel Photoacoustic Imaging <i>In Vivo</i> . <i>ChemNanoMat</i> , 2018, 4, 626-630.	2.8	2
18	Synthesis of 3H-naphtho[2.1-b]pyran-2-carboxamides from cyclocoupling of 1 <sup>2</sup> -naphthol, propargyl alcohols and isocyanide in the presence of Lewis acids. <i>Tetrahedron</i> , 2018, 74, 3776-3780.	1.9	9

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19	HNO <sub>3</sub> /HFIP: A Nitrating System for Arenes with Direct Observation of $\pi$ -Complex Intermediates. <i>Organic Letters</i> , 2018, 20, 3197-3201.	4.6	33
20	Synthesis of Heterocycles by Using Propargyl Compounds as Versatile Synthons. <i>Mini-Reviews in Organic Chemistry</i> , 2018, 15, 198-207.	1.3	18
21	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.	1.9	12
22	[Cu(malo NHC)]-catalyzed synthesis of 2-aryl pyrazolo[5,1-a]isoquinolines by annulation of N- $\alpha$ -(2-((trimethylsilyl)ethynyl)benzylidene)hydrazides with terminal aromatic alkynes. <i>Tetrahedron</i> , 2017, 73, 6428-6435.	1.9	12
23	Silver-catalyzed chemoselective annulation of propargyl amines with alkynes for access to pyridines and pyrroles. <i>Tetrahedron</i> , 2017, 73, 6080-6084.	1.9	24
24	Synthesis of Alkyl Aryl Sulfones via Reaction of N-Arylsulfonyl Hydroxyamines with Electron-Deficient Alkenes. <i>Molecules</i> , 2017, 22, 39.	3.8	4
25	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.	3.2	41
26	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.	1.9	9
27	CuSO <sub>4</sub> ·5H <sub>2</sub> O-catalyzed aminobenzannulation of ortho-alkynylaromatic ketones with anilines approach towards 1-aminonaphthalenes. <i>Tetrahedron</i> , 2016, 72, 4608-4615.	1.9	13
28	Conversion of carbon dioxide into 2-oxazolidinones and 2(3H)-oxazolones catalyzed by 2,2',2''-terpyridine. <i>Tetrahedron</i> , 2016, 72, 1200-1204.	1.9	21
29	Synthesis of Benzofulvene Derivatives from Diarylacetylenes via Pd(II)-Catalyzed Alkyne-Directed C(sp <sup>2</sup> )-C-H Bond Activation. <i>Journal of Organic Chemistry</i> , 2015, 80, 8430-8434.	3.2	15
30	Brønsted Acid-Promoted One-Pot Synthesis of Chrysene Derivatives via Isochromenylium Intermediate Formed in Situ. <i>Journal of Organic Chemistry</i> , 2015, 80, 7635-7641.	3.2	38
31	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, 3599-3608.	4.1	23
32	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, 30279-30291.	2.8	43
33	Cycloaddition of 1,3-Butadiynes: Efficient Synthesis of Carbo- and Heterocycles. <i>Molecules</i> , 2014, 19, 13788-13802.	3.8	24
34	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, 9945-9951.	4.1	7
35	Synthesis of 3,5-disubstituted 1,2,4-oxadiazoles and their behavior of liquid crystallines. <i>Tetrahedron Letters</i> , 2014, 55, 1557-1560.	1.4	24
36	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, 2352-2356.	3.3	160

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37	Palladium-catalyzed direct intramolecular double C-H arylation of 1,5-diketone: a strategy for synthesis of Tröger's base analogues. <i>Tetrahedron Letters</i> , 2014, 55, 3374-3376.	1.4	7
38	Synthesis and antiproliferative activity of RITA and its analogs. <i>Tetrahedron Letters</i> , 2014, 55, 6635-6638.	1.4	16
39	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, 11541-11548.	3.2	65
40	Multikilogram Scale Organolithiation Chemistry for the Manufacture of Liquid Crystal Intermediates. <i>Organic Process Research and Development</i> , 2014, 18, 1229-1233.	2.7	6
41	A general approach to arylated furans, pyrroles, and thiophenes. <i>Tetrahedron</i> , 2014, 70, 8252-8256.	1.9	53
42	Modular Assembly of Ring-Fused and $\pi$ -Extended Phenanthroimidazoles via C-H Activation and Alkyne Annulation. <i>Journal of Organic Chemistry</i> , 2014, 79, 3930-3936.	3.2	75
43	Synthesis of Chrysene Derivatives via Copper-Catalyzed One-Pot Dimerization of 2-Alkynyl-1-acetylbenzenes. <i>Journal of Organic Chemistry</i> , 2014, 79, 4352-4357.	3.2	20
44	Synthesis of 3-methyleneisoindolin-1-ones via palladium-catalyzed C-Cl bond cleavage and cyclocarbonylation of ortho-chloro ketimines. <i>Tetrahedron Letters</i> , 2013, 54, 5159-5161.	1.4	20
45	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, 23257-23273.	4.1	7
46	Straightforward Approach to Synthesize 3,3'-Bipyrroles by Oxidative Homocoupling of 1,2,5-Trisubstituted Pyrroles. <i>Chemistry Letters</i> , 2013, 42, 836-837.	1.3	7
47	Cycloaddition of 1,4-Diaryl-1,3-butadiynes with Nitriles: An Atom-economic One-pot Approach to Benzo[ <i>h</i> ]quinazolines. <i>Chemistry Letters</i> , 2013, 42, 769-771.	1.3	23
48	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.	1.3	2
49	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.	1.3	9
50	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.	1.3	16
51	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.	1.3	12
52	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.	1.3	10
53	An Efficient Copper-Catalyzed Cyclocondensation of Anilines with Propargyl Alcohols Approach to 1,2-Dihydroquinolines. <i>Current Organic Synthesis</i> , 2012, 9, 273-277.	1.3	14
54	Copper-catalyzed three-component one-pot synthesis of quinazolines. <i>Tetrahedron</i> , 2012, 68, 9364-9370.	1.9	50

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55	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, 5794-5800.	3.2	158
56	Cycloaddition of Alkynes: Atom-Economic Protocols for Constructing Six-Membered Cycles. <i>Current Organic Chemistry</i> , 2011, 15, 712-729.	1.6	71
57	Stereodivergent Ruthenium-Catalyzed Transfer Semihydrogenation of Diaryl Alkynes. <i>Chemistry - A European Journal</i> , 2011, 17, 8462-8465.	3.3	74
58	ReCl(CO) <sub>5</sub> -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.	1.4	32
59	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.	1.4	26
60	An alternative CuCl-piperidine-catalyzed oxidative homocoupling of terminal alkynes affording 1,3-diynes in air. <i>Applied Organometallic Chemistry</i> , 2010, 24, 314-316.	3.5	31
61	Highly Chemo- and Stereoselective Palladium-Catalyzed Transfer Semihydrogenation of Internal Alkynes Affording <i>cis</i> -Alkenes. <i>Journal of Organic Chemistry</i> , 2010, 75, 2966-2970.	3.2	113
62	An improved practical Pd/C-catalyzed Sonogashira cross-coupling reaction for the synthesis of liquid crystals of trans-cyclohexyltolans. <i>Applied Organometallic Chemistry</i> , 2010, 24, 473-476.	3.5	6
63	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.	1.4	59
64	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.	1.4	16
65	Rhodium-Catalyzed Reductive Cyclocarbonylation of Internal Alkynes: Atom-Economic Process for Synthesis of 2-Cyclopentenones, 5-Alkylidene-furanones and Indanones. <i>Chemistry - A European Journal</i> , 2009, 15, 3817-3822.	3.5	125
66	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.	1.9	26
67	Gold(I)-catalyzed direct C-H arylation of pyrazine and pyridine with aryl bromides. <i>Tetrahedron Letters</i> , 2009, 50, 1478-1481.	1.4	74
68	Palladium-catalyzed Heck coupling of 2-vinylpyridine with aryl chlorides. <i>Applied Organometallic Chemistry</i> , 2008, 22, 397-401.	3.5	10
69	Ru <sub>3</sub> (CO) <sub>12</sub> -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, 8658-8660.	3.2	24
70	Efficient DMF-Promoted Solventless Hydrolysis of Epoxides with Equimolar Amount of H <sub>2</sub> O, Affording 1,2-Diols. <i>Synthetic Communications</i> , 2008, 38, 232-238.	2.1	16
71	Recent Advances in Bismuth-Catalyzed Organic Synthesis. <i>Current Organic Synthesis</i> , 2008, 5, 1-27.	1.3	99
72	Recent Development of Rhenium-Catalyzed Organic Synthesis. <i>Current Organic Synthesis</i> , 2007, 4, 151-174.	1.3	53

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73	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.	2.8	20
74	Nickel-Catalyzed Thioallylation of Alkynes with Allyl Phenyl Sulfides. <i>Organic Letters</i> , 2007, 9, 263-266.	4.6	55
75	An alternative efficiently Ru <sub>3</sub> (CO) <sub>12</sub> -catalyzed reductive cyclocarbonylation of alkynes affording substituted furan-2(5H)-ones. <i>Catalysis Communications</i> , 2007, 8, 1031-1035.	3.3	17
76	Rhodium-Catalyzed [2+2+1+1] Cyclocarbonylative Coupling of Alkynes with Carbon Monoxide Affording Tetrasubstituted <i>p</i> -Benzoquinones. <i>Chemistry - A European Journal</i> , 2007, 13, 8333-8337.	3.3	20
77	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.	4.3	26
78	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.	4.3	42
79	An efficient synthesis of unsymmetrical diarylmethanes from the dehydration of arenes with benzyl alcohols using InCl <sub>3</sub> ·4H <sub>2</sub> O/acetone catalyst system. <i>Tetrahedron</i> , 2007, 63, 10185-10188.	1.9	48
80	ReBr(CO) <sub>5</sub> -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.	1.9	20
81	Efficient Copper-Free PdCl <sub>2</sub> (PCy <sub>3</sub> ) <sub>2</sub> -Catalyzed Sonogashira Coupling of Aryl Chlorides with Terminal Alkynes. <i>Journal of Organic Chemistry</i> , 2006, 71, 2535-2537.	3.2	163
82	Regioselective Re(I)-catalyzed coupling of terminal alkynes, Et <sub>2</sub> NH, and CO <sub>2</sub> leading to anti-Markovnikov adducts. <i>Tetrahedron Letters</i> , 2006, 47, 953-955.	1.4	24
83	An efficient palladium-catalyzed Heck coupling of aryl chlorides with alkenes. <i>Tetrahedron Letters</i> , 2006, 47, 2573-2576.	1.4	43
84	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.	2.4	88
85	Highly Regioselective Rhenium-Catalyzed Hydrosilylation of Styrenes. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 5495-5498.	2.4	19
86	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.	4.3	20
87	Efficient DMF-Catalyzed Coupling of Epoxides with CO <sub>2</sub> under Solvent-Free Conditions to Afford Cyclic Carbonates. <i>Synthetic Communications</i> , 2006, 36, 3141-3148.	2.1	53
88	Novel C-N bond cleavage and formation in the polyoxometalates-catalyzed oxidation of nitroaromatics with 30% aqueous H <sub>2</sub> O <sub>2</sub> : An unprecedented disproportionation of nitroaromatics affording dinitroaromatics. <i>Inorganica Chimica Acta</i> , 2005, 358, 4045-4048.	2.4	3
89	Rhodium-Catalyzed Noncarbonylative Addition Reaction of ClCOCOOCH <sub>2</sub> H <sub>5</sub> to Alkynes. <i>Chemistry - A European Journal</i> , 2005, 11, 3621-3630.	3.3	44
90	ReBr(CO) <sub>5</sub> -Catalyzed Knoevenagel Condensation.. <i>ChemInform</i> , 2005, 36, no.	0.0	0

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91	Efficient, Simple Preparation of 1,3-Diamine Derivatives Through Addition of Acrylamides with Secondary Amines.. ChemInform, 2005, 36, no.	0.0	0
92	Highly Efficient Nitration of Phenolic Compounds in Solid Phase or Solution Using Bi(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O as Nitrating Reagent. Journal of Organic Chemistry, 2005, 70, 9071-9073.	3.2	71
93	Efficient, Simple Preparation of 1,3-Diamine Derivatives through Addition of Acrylamides with Secondary Amines. Synthetic Communications, 2005, 35, 1375-1380.	2.1	3
94	Re(CO) <sub>5</sub> Br-Catalyzed Coupling of Epoxides with CO <sub>2</sub> Affording Cyclic Carbonates under Solvent-Free Conditions. Journal of Organic Chemistry, 2005, 70, 381-383.	3.2	98
95	Highly efficient K <sub>7</sub> NiV <sub>13</sub> O <sub>38</sub> -catalyzed hydroxylation of aromatics with aqueous hydrogen peroxide (30%). Applied Catalysis A: General, 2004, 270, 223-226.	4.3	22
96	Re(CO) <sub>5</sub> Br-Catalyzed Addition of Carboxylic Acids to Terminal Alkynes: A High anti-Markovnikov and Recoverable Homogeneous Catalyst.. ChemInform, 2004, 35, no.	0.0	0
97	Re(CO) <sub>5</sub> Br-Catalyzed Addition of Carboxylic Acids to Terminal Alkynes: A High Anti-Markovnikov and Recoverable Homogeneous Catalyst. Journal of Organic Chemistry, 2004, 69, 5782-5784.	3.2	73
98	Reactions of a Carbamoylstannane with Acid Chlorides: A Highly Efficient Synthesis of $\alpha$ -Oxo Amides. Journal of Organic Chemistry, 2004, 69, 974-976.	3.2	37
99	ReBr(CO) <sub>5</sub> -Catalyzed Knoevenagel Condensation. Synthetic Communications, 2004, 34, 3219-3225.	2.1	15
100	Palladium-catalysed annulation of $\alpha$ -chloro- $\alpha,\beta$ -unsaturated esters with internal alkynes leading to 2H-pyran-2-ones. New Journal of Chemistry, 2001, 25, 179-184.	2.8	30
101	Organocatalytic Transformation of Carbon Dioxide. , 0, , .		1