

Ri-Yuan Tang

List of Publications by Year in descending order

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101
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3,813
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126708

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148
docs citations

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times ranked

3387
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#	ARTICLE	IF	CITATIONS
1	Conformation-induced remote meta-C-H activation of amines. <i>Nature</i> , 2014, 507, 215-220.	13.7	481
2	Pd(II)-Catalyzed <i>meta</i> -C-H Olefination, Arylation, and Acetoxylation of Indolines Using a U-Shaped Template. <i>Journal of the American Chemical Society</i> , 2014, 136, 10807-10813.	6.6	293
3	TBHP-mediated oxidative thiolation of an sp ³ C-H bond adjacent to a nitrogen atom in an amide. <i>Chemical Communications</i> , 2011, 47, 12867.	2.2	143
4	Iron-Facilitated Iodine-Mediated Electrophilic Annulation of <i>N,N</i> -Dimethyl-2-alkynylanilines with Disulfides or Diselenides. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2739-2748.	2.1	129
5	CuI/TMEDA-Catalyzed Annulation of 2-Bromo Alkynylbenzenes with Na ₂ S: Synthesis of Benzo[<i>b</i>]thiophenes. <i>Journal of Organic Chemistry</i> , 2011, 76, 7546-7550.	1.7	119
6	Copper-Catalyzed Intramolecular Oxidative 6-exo-trig Cyclization of 1,6-Enynes with H ₂ O and O ₂ . <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8968-8973.	7.2	103
7	Palladium-Catalyzed Carbonylative Annulation Reaction of 2-(1-Alkynyl)benzenamines: Selective Synthesis of 3-(Halomethylene)indolin-2-ones. <i>Organic Letters</i> , 2007, 9, 3413-3416.	2.4	95
8	Electrophilic <i>ipso</i> -Cyclization of <i>N</i> -(<i>p</i> -Methoxyaryl)propiolamides Involving an Electrophile-Exchange Process. <i>Journal of Organic Chemistry</i> , 2008, 73, 9008-9011.	1.7	93
9	Palladium-Catalyzed Annulation of 2-(1-Alkynyl)benzenamines with Disulfides: Synthesis of 3-Sulphenylindoles. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2615-2618.	2.1	93
10	Copper-Catalyzed Thiolation Annulations of 1,4-Dihalides with Sulfides Leading to 2-Trifluoromethyl Benzothiophenes and Benzothiazoles. <i>Journal of Organic Chemistry</i> , 2010, 75, 7037-7040.	1.7	93
11	Copper-catalyzed tandem reactions of 2-halobenzenamines with isothiocyanates under ligand- and base-free conditions. <i>Tetrahedron Letters</i> , 2010, 51, 649-652.	0.7	90
12	Iron-Catalyzed Tandem Reactions of 2-Halobenzenamines with Isothiocyanates Leading to 2-Aminobenzothiazoles. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2319-2323.	2.1	88
13	PdCl ₂ -Promoted Electrophilic Annulation of 2-Alkynylphenol Derivatives with Disulfides or Diselenides in the Presence of Iodine. <i>Journal of Organic Chemistry</i> , 2009, 74, 7844-7848.	1.7	88
14	Palladium-Catalyzed C-H Oxidation of Isoquinoline <i>N</i> -Oxides: Selective Alkylation with Dialkyl Sulfoxides and Halogenation with Dihalo sulfoxides. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1890-1896.	2.1	88
15	CuI/I ₂ -Promoted Electrophilic Tandem Cyclization of 2-Ethynylbenzaldehydes with <i>ortho</i> -Benzenediamines: Synthesis of Iodoisoquinoline-Fused Benzimidazoles. <i>Journal of Organic Chemistry</i> , 2011, 76, 223-228.	1.7	82
16	PdCl ₂ -Catalyzed Domino Reactions of 2-Alkynylbenzaldehydes with Indoles: Synthesis of Fluorescent 5-H-Benzo[<i>b</i>]carbazol-6-yl Ketones. <i>Chemistry - A European Journal</i> , 2010, 16, 4733-4738.	1.7	75
17	Oxidative dual C-H thiolation of imidazopyridines with ethers or alkanes using elemental sulphur. <i>Chemical Communications</i> , 2017, 53, 7784-7787.	2.2	75
18	Palladium-Catalyzed Synthesis of 3-Acylated Indoles Involving Oxidative Cross-Coupling of Indoles with α -Amino Carbonyl Compounds. <i>Journal of Organic Chemistry</i> , 2013, 78, 11163-11171.	1.7	70

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19	Electrophilic <i>ipso</i> -Iodocyclization of <i>N</i> -(4-Methylphenyl)propiolamides: Selective Synthesis of 8-Methyleneazaspiro[4,5]trienes. <i>Journal of Organic Chemistry</i> , 2008, 73, 3658-3661.	1.7	69
20	Palladium-Catalyzed Intramolecular 5- <i>exo-dig</i> Hydroarylations of <i>N</i> -Arylpropiolamides: Thermodynamics-Controlled Stereoselective Synthesis of 3-Methyleneoxindoles. <i>Journal of Organic Chemistry</i> , 2009, 74, 8834-8837.	1.7	69
21	Palladium-Catalyzed Oxidative Coupling of Trialkylamines with Aryl Iodides Leading to Alkyl Aryl Ketones. <i>Organic Letters</i> , 2011, 13, 2184-2187.	2.4	61
22	Hydrothiolation of terminal alkynes with diaryl disulfides and diphenyl diselenide: selective synthesis of (Z)-1-alkenyl sulfides and selenides. <i>Tetrahedron</i> , 2008, 64, 10670-10675.	1.0	60
23	Palladium and Copper Cocatalyzed Tandem C-H Bond Functionalization: Synthesis of CF ₃ -Containing Indolo- and Pyrrolo[2,1- <i>a</i>]isoquinolines. <i>Journal of Organic Chemistry</i> , 2012, 77, 2850-2856.	1.7	53
24	Solvent-free copper-catalyzed oxidative S-arylation of 1,2-diaryldisulfides with aryltrimethoxysilane. <i>Tetrahedron Letters</i> , 2009, 50, 1066-1070.	0.7	50
25	ZnI ₂ -Catalyzed Benzannulation of <i>o</i> -Alkynylbenzaldehydes with Alkenes Leading to 1-Substituted Naphthalenes. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 4211-4217.	1.2	49
26	Palladium-Catalyzed Selective Heck-Type Diarylation of Allylic Esters with Aryl Halides Involving a <i>β</i> -OAc Elimination Process. <i>Organic Letters</i> , 2011, 13, 1126-1129.	2.4	43
27	Metal-Free Thiolation of Imidazopyridines with Functionalized Haloalkanes Using Elemental Sulfur. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 533-543.	2.1	42
28	ZnCl ₂ -catalyzed [4+2] benzannulation of 2-ethynylbenzaldehydes with alkynes: Selective synthesis of naphthalene derivatives. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 352-356.	0.8	40
29	Direct Sulfenylation of Imidazoheterocycles with Disulfides in an Iodine-Hydrogen Peroxide System. <i>Synthesis</i> , 2015, 47, 659-671.	1.2	39
30	Direct Introduction of Dithiocarbamates onto Imidazoheterocycles under Mild Conditions. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 268-275.	2.1	39
31	Advances in Radical Oxidative C-H Alkylation of <i>N</i> -Heteroarenes. <i>Chinese Journal of Chemistry</i> , 2017, 35, 271-279.	2.6	39
32	A convenient conversion of pyrazolyl disulfide to sulfides by sodium dithionite and synthesis of sulfoxides. <i>Journal of Fluorine Chemistry</i> , 2006, 127, 948-953.	0.9	35
33	Remote C-H Activation of Various N-Heterocycles Using a Single Template. <i>Chemistry - A European Journal</i> , 2018, 24, 3434-3438.	1.7	35
34	Palladium-catalyzed oxidative carbamoylation of isoquinoline N-oxides with formylamides by means of dual C-H oxidative coupling. <i>Chemical Communications</i> , 2015, 51, 4097-4100.	2.2	34
35	Direct trifluoromethylation of imidazoheterocycles in a recyclable medium at room temperature. <i>RSC Advances</i> , 2015, 5, 29766-29773.	1.7	34
36	A novel Pd-catalyzed N-dealkylative carbonylation of tertiary amines for the preparation of amides. <i>Chemical Communications</i> , 2014, 50, 14775-14777.	2.2	30

37	Sulfite-Promoted Synthesis of <i>N,N</i> -Difluoromethylthioureas via the Reaction of Azoles with Bromodifluoroacetate and Elemental Sulfur. Organic Letters, 2019, 21, 545-548.	2.4	28
38	Selective oxidation and chlorination of trifluoromethylsulfide using trichloroisocyanuric acid in ionic liquid. Journal of Fluorine Chemistry, 2007, 128, 636-640.	0.9	27
39	Palladium-Catalyzed Intramolecular Annulation of 3-(2-(2-(2-dobenzylamino)aryl)-N-arylprioplamides: Synthesis of 3-(5-H-dibenzo[<i>b,e</i>]azepin-1(6 <i>H</i>)-ylidene]indolin-2-ones. Advanced Synthesis and Catalysis, 2012, 354, 889-898.	2.1	27
40	Nitromethane as a cyanating reagent for the synthesis of thiocyanates. Tetrahedron Letters, 2015, 56, 5067-5070.	0.7	27
41	Synthesis and fungicidal activity of novel pyrazole derivatives containing 5-Phenyl-2-Furan. Bioorganic and Medicinal Chemistry, 2019, 27, 115048.	1.4	27
42	Functional Application of Sulfur-Containing Spice Compounds. Journal of Agricultural and Food Chemistry, 2020, 68, 12505-12526.	2.4	23
43	Isothiocyanation of amines using the Langlois reagent. Chemical Communications, 2017, 53, 6073-6076.	2.2	22
44	CuCl/air-mediated oxidative coupling reaction of imidazoheterocycles with <i>N</i> -aryl glycine esters. RSC Advances, 2017, 7, 30152-30159.	1.7	21
45	Metal-free direct thiocarbamation of imidazopyridines with carbamoyl chloride and elemental sulfur. RSC Advances, 2017, 7, 54013-54016.	1.7	21
46	Na ₂ S ₂ O ₄ -Mediated Cyclocondensations of 2,2'-Disulfanediyl dianilines with Aldehydes: A Facile and Inexpensive Method for the Synthesis of 2-Substituted Benzothiazoles. Chinese Journal of Chemistry, 2011, 29, 314-320.	2.6	20
47	Iodine-promoted radical alkyl sulfuration of imidazopyridines with dialkyl azo compounds and elemental sulfur. Organic and Biomolecular Chemistry, 2019, 17, 2279-2286.	1.5	20
48	Synthesis and biological evaluation of 1,3,4-thiadiazole derivatives as type III secretion system inhibitors against Xanthomonas oryzae. Pesticide Biochemistry and Physiology, 2019, 160, 87-94.	1.6	19
49	Synthesis of 6,7-dihydro-5H-dibenzo[<i>c,e</i>]azepines and biaryls by palladium-catalyzed Ullmann reaction. Tetrahedron, 2009, 65, 3409-3416.	1.0	17
50	Selective C-H dithiocarbamation of arenes and antifungal activity evaluation. Organic and Biomolecular Chemistry, 2020, 18, 1369-1376.	1.5	17
51	Copper-catalyzed ring expansion of 2-aminobenzothiazoles with alkynyl carboxylic acids to 1,4-benzothiazines. Organic and Biomolecular Chemistry, 2015, 13, 3122-3127.	1.5	16
52	Palladium-Catalyzed Heck-Type Reactions of Allylic Esters with Arylboronic Acids or Potassium Aryltrifluoroborates. Advanced Synthesis and Catalysis, 2012, 354, 1069-1076.	2.1	15
53	Direct thiocarbamation of imidazoheterocycles via dual C-H sulfurization. Organic and Biomolecular Chemistry, 2019, 17, 7854-7857.	1.5	15
54	Application of molecularly imprinted polymers for the separation and detection of aflatoxin. Journal of Chemical Research, 2021, 45, 400-410.	0.6	15

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55	Silver Nitrate Catalysed Tandem Reactions of O-Ethynylanilines with Aryl Aldehydes: Selective One-Pot Synthesis of Bis(Indolyl)Methanes. <i>Journal of Chemical Research</i> , 2012, 36, 468-471.	0.6	14
56	Copper-Catalyzed Tandem C ₁ /C ₂ O Bond-Forming Reactions of <i>ortho</i> -Halo-2-chlorostyrenes with Ketones: Synthesis of 4-Trifluoromethylbenzoxepines. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 377-382.	2.1	14
57	DABCO-Promoted Decarboxylative Acylation: Synthesis of α -Keto and α,β -Unsaturated Amides or Esters. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 305-312.	1.3	14
58	Oxidative Radical Cyclization of <i>N</i> -methyl- <i>N</i> -arylpropiolamide to Isatins via Cleavage of the Carbon-Carbon Triple Bond. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3391-3400.	2.1	14
59	Iodine-mediated synthesis of benzopyridothiazines via tandem C-H thiolation and amination. <i>RSC Advances</i> , 2015, 5, 107927-107930.	1.7	12
60	FeF ₃ /I ₂ -Catalyzed Synthesis of 4-Chalcogen-Substituted Arylamines by Direct Thiolation of an Arene C-H Bond. <i>Synthesis</i> , 2011, 2011, 1099-1105.	1.2	11
61	Iodine-Mediated Intramolecular Oxidative Cyclization of 2-(Styrylthio)anilines: Synthesis of 2-Substituted Benzothiazoles. <i>Synthesis</i> , 2012, 44, 927-933.	1.2	11
62	Diversity-Oriented Synthesis of Fluoromethylated Arenes via Palladium-Catalyzed C-H Fluoromethylation of Aryl Iodides. <i>Organic Letters</i> , 2022, 24, 1341-1345.	2.4	11
63	Sulfite-Induced <i>N</i> -Alkylation and Thioketonization of Azoles Enable Access to Diverse Azole Thiones. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4795-4806.	2.1	10
64	Sulfite-Promoted One-Pot Synthesis of Sulfides by Reaction of Aryl Disulfides with Alkyl Halides. <i>Synthesis</i> , 2007, 2007, 85-91.	1.2	9
65	Iron-Catalyzed Sulfenylation of Indoles with Disulfides Promoted by a Catalytic Amount of Iodine. <i>Synthesis</i> , 2009, 2009, 4183.	1.2	9
66	CuBr ₂ -Promoted Tetrahydrofuranylation of Alcohols and 1,3-Dione. <i>Synlett</i> , 2013, 24, 737-740.	1.0	9
67	Synthesis of Benzocyclohepta[<i>b</i>]indoles by Lewis Acid Catalyzed Annulation of Two 3-(1- <i>H</i> -Isochromen-1-yl)-1- <i>H</i> -indoles. <i>Journal of Organic Chemistry</i> , 2014, 79, 686-691.	1.7	9
68	Synthesis of Imidazoheterocycle-Hydrazine, -Carbamate, and Imidazocinnoline Derivatives. <i>Synthesis</i> , 2017, 49, 1839-1745.	1.2	9
69	Copper-Catalyzed Cross-Coupling of Benzylic Bromides with Arylboronic Acids: Synthesis of Diarylalkanes and Preliminary Antifungal Evaluation Against <i>Magnaporthe oryzae</i> . <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 631-636.	1.3	9
70	TBHP-Mediated Oxidative Cross-Coupling of Disulfides with Ethers through a C(sp ³)-H Thiolation Process. <i>Synthetic Communications</i> , 2014, 44, 2045-2050.	1.1	8
71	Metal-Free Oxidative Deamination Cross-Coupling of Imidazoheterocycles with 2-Aminobenzothiazoles. <i>Synthesis</i> , 2016, 48, 687-696.	1.2	8
72	Synthesis and bioactivity of 1,3-thiazolidine-2-thione derivatives against type III secretion system of <i>Xanthomonas oryzae</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 3364-3371.	1.4	8

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73	TEMPO-Mediated Synthesis of <i>N</i> -(Fluoroalkyl)imidazolones via Reaction of Imidazoles with Iodofluoroacetate. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 269-276.	2.1	8
74	One-Pot Synthesis of Sulfides by Reaction of Disulfides with Alkyl Halides in the Presence of Sodium Dithionite. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2007, 182, 167-174.	0.8	7
75	Synthesis of 1-Substituted 2-(Trifluoromethyl)indoles via a Palladium-Catalyzed Double Amination Reaction. <i>Synthesis</i> , 2010, 2010, 1521-1525.	1.2	7
76	NH ₄ PF ₆ -promoted cyclodehydration of α -amino carbonyl compounds: efficient synthesis of pyrrolo[3,2,1-ij]quinoline and indole derivatives. <i>RSC Advances</i> , 2014, 4, 53837-53841.	1.7	7
77	Copper-Catalyzed Tandem Reaction of 2-Haloaniline Derivatives with Tetraalkylthiuram Disulfides: Selective Synthesis of 2-Aminobenzothiazoles. <i>Synlett</i> , 2009, 2009, 3032-3036.	1.0	6
78	DMSO-mediated palladium-catalyzed cyclization of two isothiocyanates <i>via</i> C-H sulfurization: a new route to 2-aminobenzothiazoles. <i>RSC Advances</i> , 2019, 9, 3403-3406.	1.7	6
79	5-Amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(trifluoromethylsulfanyl)-1H-pyrazole-3-carbonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o4374-o4375.	0.2	5
80	Copper-Catalyzed Selective S-Arylation of 1,2-Bis(<i>o</i> -amino-1 <i>H</i> -pyrazolyl) Disulfides with Arylboronic Acids. <i>Synthesis</i> , 2009, 2009, 921-928.	1.2	5
81	Palladium-Catalyzed Tandem Carbocyclization-Suzuki Coupling Reactions of Trifluoromethyl-Containing Building Blocks Leading to 2-Trifluoromethylindenes. <i>Synthesis</i> , 2012, 45, 118-126.	1.2	5
82	Iodine-Mediated Thioetherification of Alcohols with Disulfides or NaSH under Microwave Irradiation. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2556-2562.	2.6	5
83	Silver-Catalyzed Tandem Ammonolysis-Cyclization of 2-Alkynylbenzenamines with Tetraalkylthiuram Disulfides to 4-Methylene-4 <i>H</i> -benzo[d][1,3]thiazin-2-amines. <i>Synlett</i> , 2010, 2010, 1345-1350.	1.0	4
84	Iron-Catalyzed Benzylolation Reaction of Arenes with Benzyl Thiocyanates. <i>Synlett</i> , 2012, 23, 627-631.	1.0	4
85	Cu(OAc) ₂ /I ₂ -Mediated Direct Sulfonylation of Benzo[d]imidazoles with Disulfides. <i>ChemistrySelect</i> , 2016, 1, 6293-6296.	0.7	4
86	HFIP-Promoted Bischler Indole Synthesis under Microwave Irradiation. <i>Molecules</i> , 2018, 23, 3317.	1.7	4
87	Design and synthesis of unique thiazoloisoquinolinium thiolates and derivatives. <i>Chinese Chemical Letters</i> , 2021, 32, 3211-3214.	4.8	4
88	Reduced Species (HSO ₃ ²⁻ , SO ₃ ²⁻) Promoted One-Pot Efficient Synthesis of Phenyl Alkyl Selenides. <i>Chinese Journal of Chemistry</i> , 2007, 25, 558-561.	2.6	3
89	Nickel-Catalyzed Oxidative Cyclotrimerization of α -Amino Ketones: Selective Synthesis of Pyrazoles. <i>Synlett</i> , 2013, 25, 64-68.	1.0	3
90	Synthesis of novel 2-methyl-3-furyl sulfide flavor derivatives as efficient preservatives. <i>RSC Advances</i> , 2021, 11, 25639-25645.	1.7	3

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91	Bis{5-amino-3-cyano-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazol-4-yl} disulfide acetonitrile disolvate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o1564-o1565.	0.2	2
92	Synthesis of 2-Acylbenzothiazoles via the Cu(OTf) ₂ -Catalyzed Tandem Reaction of 1,2-Dihalidestyrènes with 2,2-Disulfanediyl dianilines. Synlett, 2014, 25, 255-260.	1.0	2
93	Selectively Oxidative Thiolysis of Nitriles into Primary Thioamides and Insecticidal Application. Asian Journal of Organic Chemistry, 2020, 9, 1243-1248.	1.3	2
94	Versatile Triazole Selenoureas against Pests, Fungi, and Weeds. ACS Agricultural Science and Technology, 2022, 2, 754-760.	1.0	2
95	N-{3-Cyano-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazol-5-yl}benzamide. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o2395-o2396.	0.2	1
96	Palladium-Catalyzed Selective Synthesis of 3-Hydroxy-2-oxindoles via Cascade C-H Cycloaddition and Oxidation of 1-Aminoacetophenones. Synthesis, 2018, 50, 4645-4650.	1.2	1
97	Sulfite-Promoted C-H Fluoroalkyl Sulfuration of Imidazoheterocycles with Bromofluoroacetate and Elemental Sulfur. Synthesis, 2020, 52, 2541-2550.	1.2	1
98	1-[2,6-Dichloro-4-(trifluoromethyl)phenyl]-5-[(dimethylsulfonyl)amino]-1H-pyrazole-3-carbonitrile. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o116-o117.	0.2	0
99	1-[2,6-Dichloro-4-(trifluoromethyl)phenyl]-5-[(4-methylbenzylidene)amino]-1H-pyrazole-3-carbonitrile. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o559-o560.	0.2	0
100	5-[[4-Chlorophenyl)methylene]amino]-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazole-3-carbonitrile. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o949-o950.	0.2	0
101	1-[2,6-Dichloro-4-(trifluoromethyl)phenyl]-5-[(2-furyl)methyleneamino]-1H-pyrazole-3-carbonitrile. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2972-o2973.	0.2	0