

Renhua Fan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

1,478

citations

23

h-index

36

g-index

87

ext. papers

1,678

ext. citations

5.8

avg, IF

4.72

L-index

#	Paper	IF	Citations
63	Synthesis of N-indolated amino acids or peptides from 2-alkynylanilines via a dearomatization process. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 6869-6873	5.2	0
62	Synthesis of 4-Alkylindoles from 2-Alkynylanilines via Dearomatization- and Aromatization-Triggered Alkyl Migration. <i>Organic Letters</i> , 2021 , 23, 2130-2134	6.2	7
61	Synthesis of N-labeled heterocycles the cleavage of C-N bonds of anilines and glycine-N. <i>Chemical Communications</i> , 2021 , 57, 5442-5445	5.8	1
60	Facile synthesis of 4-acetoxyindoles via PhI(OAc) ₂ -mediated dearomatization of 2-alkynylanilines. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 3004-3007	5.2	3
59	Advances in the development of HIV integrase strand transfer inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021 , 225, 113787	6.8	3
58	Synthesis of 4,7-Difunctionalized Indoles via Imino Exchange and Sulfinyl Migration. <i>Organic Letters</i> , 2020 , 22, 823-826	6.2	1
57	Tandem Palladium Catalysis for Rapid Construction of 3,4-Fused Tricyclic Indoles. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 1281-1285	5.6	7
56	Iodobenzene-Catalyzed Oxidative Cyclization for the Synthesis of Highly Functionalized Cyclopropanes. <i>Synthesis</i> , 2020 , 52, 928-932	2.9	1
55	Design and synthesis of novel desfluoroquinolone-aminopyrimidine hybrids as potent anti-MRSA agents with low hERG activity. <i>Bioorganic Chemistry</i> , 2020 , 103, 104176	5.1	1
54	Conversion of anilines to chiral benzylic amines via formal one-carbon insertion into aromatic C-N bonds. <i>Nature Communications</i> , 2020 , 11, 4805	17.4	4
53	Formal group insertion into aryl C-N bonds through an aromaticity destruction-reconstruction process. <i>Nature Communications</i> , 2018 , 9, 3423	17.4	8
52	Iodine(III)-induced regioselective carbocyclization of terminal alkynes: a facile approach to prepare 1,1-diiodomethylene substituted cyclic compounds. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 1005-1010	5.2	3
51	PhI(OAc) ₂ -mediated dialkoxylation of 4-aminostyrenes through a dearomatization process under metal-free conditions. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 2156-2158	5.2	4
50	Iodobenzene-Catalyzed Ortho-Deaomatization and Aromatization-Triggered Rearrangement of 2-Allylanilines: Construction of Indolin-3-ylmethanols with High Diastereoselectivities. <i>Organic Letters</i> , 2017 , 19, 6478-6481	6.2	8
49	Dearomatization-Induced Cycloaddition and Aromatization-Triggered Rearrangement: Synthesis of Vertically Expanded Five-Ring Fused Benzofurans. <i>Organic Letters</i> , 2016 , 18, 4690-3	6.2	11
48	Amine-Mediated Transimination and Aromatization-Triggered Domino Reaction in the Synthesis of Polyfunctionalized 4-Aminoquinolines. <i>Organic Letters</i> , 2016 , 18, 5328-5331	6.2	15
47	Aniline Dearomatization and Silver-Catalyzed [3+3] Dipolar Cycloaddition: Efficient Construction of Oxocino[4,3,2-cd]indoles from 2-Alkynylanilines and 2-Alkynylbenzaldoximes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14013-6	16.4	22

46	Aniline Dearomatization and Silver-Catalyzed [3+3] Dipolar Cycloaddition: Efficient Construction of Oxocino[4,3,2-cd]indoles from 2-Alkynylanilines and 2-Alkynylbenzaldoximes. <i>Angewandte Chemie</i> , 2015 , 127, 14219-14222	3.6	5
45	Destruction and Construction: Application of Dearomatization Strategy in Aromatic Carbon-Nitrogen Bond Functionalization. <i>Angewandte Chemie</i> , 2015 , 127, 13859-13862	3.6	2
44	Destruction and Construction: Application of Dearomatization Strategy in Aromatic Carbon-Nitrogen Bond Functionalization. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13655-8	16.4	12
43	Iodine(III)-mediated oxidative cross-coupling of enamines and propargylamines under metal-free conditions: an alternative way to prepare highly substituted 3-pyrrolines. <i>Organic Letters</i> , 2015 , 17, 916-9	6.2	22
42	Direct assembly of 3,4-difunctionalized benzofurans and polycyclic benzofurans by phenol dearomatization and palladium-catalyzed domino reaction. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6805-9	16.4	31
41	Dearomatization strategy and palladium-catalyzed domino reaction: construction of azepino[5,4,3-cd]indoles from 2-alkynylanilines. <i>Organic Letters</i> , 2014 , 16, 816-9	6.2	47
40	Imino exchange reaction in a dearomatization strategy: synthesis of N-acyl diarylamines and phenothiazines from two anilines. <i>Organic Chemistry Frontiers</i> , 2014 , 1, 1055-1057	5.2	5
39	One-pot synthesis of highly substituted 4-acetyloxyindoles via sequential dearomatization and silver-catalyzed domino reaction. <i>Organic Letters</i> , 2014 , 16, 3600-3	6.2	26
38	Direct Assembly of 3,4-Difunctionalized Benzofurans and Polycyclic Benzofurans by Phenol Dearomatization and Palladium-Catalyzed Domino Reaction. <i>Angewandte Chemie</i> , 2014 , 126, 6923-6927	3.6	12
37	Five-Membered Ring Systems. <i>Progress in Heterocyclic Chemistry</i> , 2013 , 25, 183-215	0.8	13
36	Accessing bridged bicyclic compounds or meta carbon-functionalized anilines from the dearomatization of anilines. <i>RSC Advances</i> , 2013 , 3, 5775	3.7	4
35	Metal-controlled cycloaddition of 2-alkynyl-1,4-benzoquinones and styrenyl systems: Lewis acid versus Brønsted acid. <i>Organic Letters</i> , 2013 , 15, 2482-5	6.2	13
34	Dearomatization strategy of an enamino ester: construction of indenoazepines via tandem Michael addition/polycyclization. <i>Organic Letters</i> , 2013 , 15, 3464-7	6.2	12
33	1,2- and 1,4-additions of 2-alkynylcyclohexadienimines with aromatic amines to access 4-amino-N-aryloxyindoles and -azepinoindoles. <i>Organic Letters</i> , 2012 , 14, 6076-9	6.2	19
32	Divergent construction of nitrogen-containing polycyclic compounds with a dearomatization strategy. <i>Organic Letters</i> , 2012 , 14, 3596-9	6.2	25
31	Accessing N-heteroarylated indoles and benzimidazoles from 2-alkynyl cyclohexadienimines and cyclohexadienones through metal-catalyzed tandem reactions. <i>Chemical Communications</i> , 2012 , 48, 11775-7	5.8	21
30	Application of dearomatization strategy on the synthesis of furoquinolinone and angelicin derivatives. <i>Organic Letters</i> , 2012 , 14, 2114-7	6.2	20
29	Recent Advances in Phenol Dearomatization and Its Application in Complex Syntheses. <i>Synthesis</i> , 2012 , 45, 1-16	2.9	33

28	Hypervalent iodine-mediated regioselective cyclization of acetylenic malonates: facile synthesis of 1-diiodomethylene indane and cyclopentane derivatives. <i>Chemical Communications</i> , 2011 , 47, 12221-3	5.8	15
27	Facile Construction of Oxa-Aza Spirobicycles via a Tandem Carbon-Hydrogen Bond Oxidation. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 1735-1740	5.6	19
26	Aqueous iodine(III)-mediated stereoselective oxidative cyclization for the synthesis of functionalized fused dihydrofuran derivatives. <i>Journal of Organic Chemistry</i> , 2010 , 75, 1760-3	4.2	53
25	Stereoselective construction of highly functionalized azetidines via a [2 + 2]-cycloaddition. <i>Organic Letters</i> , 2010 , 12, 2802-5	6.2	41
24	Construction of 3-oxyindoles via hypervalent iodine mediated tandem cyclization-acetoxylation of o-acyl anilines. <i>Chemical Communications</i> , 2010 , 46, 6834-6	5.8	48
23	Selective C3-C3 Oxidative Cross-Coupling between Unactivated Anilines and Indoles. <i>Advanced Synthesis and Catalysis</i> , 2010 , 352, 3230-3234	5.6	15
22	PhIO/Bu ₄ NI mediated oxidative cyclization of amidoalkylation adducts for the synthesis of N-benzoyl aziridines and oxazolines. <i>Tetrahedron Letters</i> , 2010 , 51, 453-456	2	18
21	Base-promoted selective E-fragmentation of homoallylamines. <i>Tetrahedron Letters</i> , 2010 , 51, 4275-4277	2	13
20	Facile iodine(III)-induced oxidative cycloaddition of N-sulfonyl imines with methylene compounds under neutral conditions. <i>Tetrahedron Letters</i> , 2009 , 50, 3857-3859	2	18
19	Dy(OTf) ₃ -mediated selective substitution of N-(benzotriazolyl-alkyl)amides with active methylene compounds for synthesis of benzotriazole derivatives. <i>Tetrahedron Letters</i> , 2009 , 50, 5536-5538	2	12
18	Solvent-controlled oxidative cyclization for divergent synthesis of highly functionalized oxetanes and cyclopropanes. <i>Organic Letters</i> , 2009 , 11, 3156-9	6.2	69
17	Iodine(III)-mediated tandem acetoxylation-cyclization of o-acyl phenols for the facile construction of alpha-acetoxy benzofuranones. <i>Organic Letters</i> , 2009 , 11, 5174-7	6.2	36
16	Transition-metal-free intermolecular amination of sp ³ C-H bonds with sulfonamides. <i>Organic Letters</i> , 2009 , 11, 1425-8	6.2	119
15	A facile synthesis of N-sulfonyl and N-sulfinyl aldimines under Barbier-type conditions. <i>Journal of Organic Chemistry</i> , 2008 , 73, 3623-5	4.2	34
14	A one-pot oxidative decarboxylation-Friedel-Crafts reaction of acyclic alpha-amino acid derivatives activated by the combination of iodobenzene diacetate/iodine and iron dust. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 4615-21	3.9	20
13	PhI(OAc) ₂ /I ₂ induced aziridination of alkenes with TsNH ₂ under mild conditions. <i>Tetrahedron Letters</i> , 2008 , 49, 4925-4928	2	29
12	Iodobenzene Diacetate/Tetrabutylammonium Iodide-Induced Aziridination of N-Tosylimines with Activated Methylene Compounds under Mild Conditions. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 1526-1530	5.6	26
11	One-Pot Oxidative Heteroannulations of N-Sulfonylanilines with Styrenes for the Construction of 5-Aminocoumaran Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 1531-1536	5.6	24

10	Efficient Stereoselective Synthesis of Nitrocyclopropanes by the Oxidative Cyclization of Michael Adducts of Nitroolefins with Activated Methylene Compounds. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 2488-2492	5.6	51
9	syn additions to 4 α -epoxy pyranosides: synthesis of L-idopyranosides. <i>Organic Letters</i> , 2007 , 9, 4849-52		20
8	Palladium-Catalyzed Regioselective Cross-Coupling Reactions of 3-Bromo-4-tosyloxyquinolin-2(1H)-one with Arylboronic Acids. A Facile and Convenient Route to 3,4-Disubstituted Quinolin-2(1H)-ones. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 1943-1948	5.6	43
7	Gold(III) Chloride/Silver Triflate: A Highly Efficient Catalyst for Ring-Opening Reaction of Aziridines with Electron-Rich Arenes. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 2151-2155	5.6	62
6	PhI(OAc) ₂ induced intramolecular oxidative bromocyclization of homoallylic sulfonamides with KBr as the bromine source. <i>Tetrahedron Letters</i> , 2007 , 48, 7444-7447	2	40
5	Metal- and solvent-free conditions for the acylation reaction catalyzed by carbon tetrabromide (CBr ₄). <i>Green Chemistry</i> , 2007 , 9, 1022	10	35
4	FeCl ₃ -Catalyzed Aza-Diels-Alder Reactions of Methylenecyclopropanes with Imines. <i>Synthetic Communications</i> , 2007 , 37, 4425-4437	1.7	14
3	Efficient three-component one-pot benzylation and allylation of aldehydes and amines for synthesis of homobenzylamines and homoallylamines. <i>Journal of Organic Chemistry</i> , 2007 , 72, 3149-51	4.2	31
2	Delta and alpha SP(3) C-H bond oxidation of sulfonamides with PhI(OAc)(2)/I(2) under metal-free conditions. <i>Journal of Organic Chemistry</i> , 2007 , 72, 8994-7	4.2	127
1	Tandem Knoevenagel-Michael addition of aryl sulfonimines with diethyl malonate for synthesis of arylidene dimalonates. <i>Journal of Organic Chemistry</i> , 2007 , 72, 5905-7	4.2	24