

Zhiwei Miao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Highly Enantioselective Biginelli Reaction Promoted by Chiral Bifunctional Primary Amine-Thiourea Catalysts: Asymmetric Synthesis of Dihydropyrimidines. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 3057-3062.	4.3	93
2	Asymmetric synthesis of spiro[chroman-3,3'-pyrazol] scaffolds with an all-carbon quaternary stereocenter via a oxa-Michael-Michael cascade strategy with bifunctional amine-thiourea organocatalysts. <i>RSC Advances</i> , 2015, 5, 91108-91113.	3.6	45
3	Mannich type reactions of chlorophosphites, phosphoramides and aldehydes (ketones) under solvent-free and catalyst-free conditions-synthesis of N-phosphoramino α -aminophosphonates. <i>Green Chemistry</i> , 2007, 9, 1341.	9.0	38
4	Regio- and Diastereoselective Construction of Spirocyclopenteneoxindoles through Phosphine-Catalyzed [3 + 2] Annulation of Methyleneindolinone with Alkynoate Derivatives. <i>Journal of Organic Chemistry</i> , 2017, 82, 10121-10128.	3.2	38
5	Cross-Coupling Reactions of Aryl Halides with Amines, Phenols, and Thiols Catalyzed by an N,N -Dioxide-Copper(I) Catalytic System. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3353-3360.	12.4	36
6	A convenient synthesis of 2-alkoxy-2-oxo-1,4,2-oxazaphosphinanes. <i>Heteroatom Chemistry</i> , 2007, 18, 65-69.	0.7	28
7	Catalytic Asymmetric Construction of a 1,2,4-Benzotriazepine Skeleton via Diastereo- and Enantioselective Decarboxylative [4 + 3] Cyclization. <i>Organic Letters</i> , 2021, 23, 2415-2420.	4.6	28
8	Stereoselective Synthesis of α -Amino(phenyl)methyl(phenyl)phosphinic Acids with O -Pivaloylated D-Galactosylamine as Chiral Auxiliary. <i>Chemistry - A European Journal</i> , 2009, 15, 9290-9293.	3.3	26
9	Nucleophilic-Bisphosphine-Catalysed One-Pot Sequential [4+2]/[4+2] Annulation of an Allenolate with Benzylidenepyrazolones. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4720-4725.	2.4	24
10	Efficient Syntheses of (Thio)phosphonylated Isobenzofurans by Tandem Nucleophilic Addition and Regioselective α -exo-Dig Addition to Carbon-Carbon Triple Bond: Cooperative Effect to 1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU). <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2733-2739.	4.3	23
11	Lewis base catalyzed regioselective cyclization of allene ketones or α -methyl allene ketones with unsaturated pyrazolones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3232-3238.	2.8	23
12	Asymmetric aza-Friedel-Crafts reaction of indoles induced by O -pivaloylated d-galactosylamine as the chiral auxiliary. <i>Tetrahedron</i> , 2012, 68, 4830-4837.	1.9	21
13	Diastereoselective synthesis of cyclopentene spiro-rhodanines containing three contiguous stereocenters via phosphine-catalyzed [3 + 2] cycloaddition or one-pot sequential [3 + 2]/[3 + 2] cycloaddition. <i>RSC Advances</i> , 2016, 6, 107984-107993.	3.6	20
14	DBU-Promoted [4 + 4] Domino Cycloaddition of Ynones with Benzylidenepyrazolones To Access Eight-Membered Cyclic Ethers. <i>Journal of Organic Chemistry</i> , 2018, 83, 5450-5457.	3.2	20
15	Diastereoselective Synthesis of Tetrabenzohydrofuran Spirooxindoles via Diethyl Phosphite-Mediated Coupling of Isatins with α -Quinone Methides. <i>Journal of Organic Chemistry</i> , 2021, 86, 8630-8640.	3.2	20
16	Glycosylation-Induced and Lewis Acid-Catalyzed Asymmetric Synthesis of α -Glycosidically Linked α -Aminophosphonic Acids Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2339-2344.	4.3	19
17	Chemo- and Diastereoselective Construction of Indenopyrazolines α -via a Cascade aza-Michael/Aldol Annulation of Huisgen Zwitterions with 2-Arylideneindane-1,3-diones. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 4158-4164.	4.3	19
18	Highly regio- and diastereoselective construction of spirocyclopenteneoxindole phosphonates through a phosphine-catalyzed [3 + 2] annulation reaction. <i>RSC Advances</i> , 2014, 4, 63246-63253.	3.6	17

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19	Enantio- and Diastereoselective Vinylogous Mukaiyama Aldol Reactions of β -Keto Phosphonates with β -(Trimethylsilyloxy)-furan Catalyzed by Bis(oxazoline)-Copper Complexes. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 589-593.	4.3	15
20	Highly efficient asymmetric vinylogous Mannich reaction induced by O-pivaloylated d-galactosylamine as the chiral auxiliary. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1756.	2.8	14
21	Efficient Synthesis of Isoquinoline Derivatives via AgOTf/Cu(OTf) ₂ -Cocatalyzed Cyclization of 2-Alkynyl Benzaldoxime. <i>Synthetic Communications</i> , 2013, 43, 1714-1720.	2.1	14
22	A simple and convenient procedure for the synthesis of naphthoquinone fused cyclic β -aminophosphoryl chloride. <i>Heteroatom Chemistry</i> , 2007, 18, 359-362.	0.7	13
23	Efficient Syntheses of 1-H-Isochromen-1-ylmethylphosphonates via Regioselective 6-Endo-Dig Addition to Carbon-Carbon Triple Bond Catalyzed by Pd(OAc) ₂ . <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 2357-2367.	1.6	13
24	Inhibitory effects of chondroitin sulfate on alpha-amylase activity: A potential hypoglycemic agent. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 289-296.	7.5	13
25	An improved route to the synthesis of diphenyl β -(diethoxythiophosphorylamino)methylphosphonates. <i>Bioorganic Chemistry</i> , 2006, 34, 167-172.	4.1	12
26	Asymmetric Mannich-Type Synthesis of β -Phosphinyl β -Aminophosphonic Acid Monoesters. <i>Helvetica Chimica Acta</i> , 2011, 94, 1586-1593.	1.6	12
27	K ₃ PO ₄ -promoted domino reactions: diastereoselective synthesis of <i>trans</i> -2,3-dihydrobenzofurans from salicyl <i>N</i> - <i>tert</i> -butanesulfinyl imines and sulfur ylides. <i>RSC Advances</i> , 2019, 9, 11978-11985.	3.6	12
28	An environmentally benign approach for the synthesis of 3,3'-pyrrolidonyl spirooxindole derivatives via a cascade Knoevenagel-Michael cyclization multicomponent reaction. <i>RSC Advances</i> , 2013, 3, 18857.	3.6	11
29	Bisphosphine catalyzed sequential [3 + 2] cycloaddition and Michael addition of ynones with benzylidenepyrazolones via dual β -C(sp ³) ² -H bifunctionalization to construct cyclopentanone-fused spiro-pyrazolones. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 9461-9471.	2.8	11
30	Enantioselective 1,3-Dipolar (5+3) Cycloadditions of Oxidopyrylium Ylides and Vinylcyclopropanes toward 9-Oxabicyclononanes. <i>Organic Letters</i> , 2022, 24, 3064-3068.	4.6	11
31	Ligand-Controlled Palladium-Catalyzed Asymmetric [4+3] and [2+3] Annulation Reactions of Spirovinylcyclopropyl Oxindoles with <i>o</i> -Quinone Methides. <i>Organic Letters</i> , 2022, 24, 3097-3101.	4.6	11
32	An efficient and green method for the synthesis of β -phosphoramino <i>o</i> -hydroxyphenyl β -aminophosphonic monoesters. <i>Heteroatom Chemistry</i> , 2008, 19, 596-601.	0.7	10
33	Lewis Acid Catalyzed Diastereoselective Vinylogous Mannich Reaction Induced by O-Pivaloylated d-Galactosylamine as the Chiral Auxiliary: Stereoselective Synthesis of 6-Arylpiperidin-2-ones. <i>Synthesis</i> , 2012, 44, 111-119.	2.3	9
34	Synthesis of methylene cyclopropane-fused chromenes and dihydroquinolines by sequential [4 + 2]- and [1 + 2]-annulation. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3303-3311.	2.8	8
35	Highly Diastereoselective Vinylogous Mukaiyama Aldol Reaction of Isatins with 2-(Trimethylsilyloxy)furans Catalyzed by Quinine. <i>Synthetic Communications</i> , 2014, 44, 936-942.	2.1	7
36	Highly diastereoselective synthesis of spiro[tetrahydrothiophene-3,3'-pyrazol] with an all-carbon quaternary stereocenter via [3A+2] cascade Michael/Michael cyclization catalyzed by DABCO. <i>Synthetic Communications</i> , 2016, 46, 793-798.	2.1	7

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37	Research Progress on the Synthetic Method of Five-Membered Spirooxindole Derivatives at C-3 Position. Chinese Journal of Organic Chemistry, 2021, 41, 3965.	1.3	7
38	Synthesis and Structure of <i>trans</i> -4-Aryl-5,5-dimethyl-2-oxido-1,3,2-dioxaphosphorinane-2-yl)methyl Helvetica Chimica Acta, 2007, 90, 1932-1939.		
39	High diastereoselective vinylogous Mannich reaction induced by O-pivaloylated d-galactosylamine as the chiral auxiliary: stereoselective synthesis of 8-arylazocan-2-one. Carbohydrate Research, 2013, 374, 1-7.	2.3	5
40	Unexpected Stereoselective Synthesis of β -Alkenyl Substituted α -Amino Phosphonates through β , γ -Dihydrogen Shift Reaction Catalyzed by a Copper(I) Complex and Iodine [Cu(MeCN) ₄ PF ₆]/I ₂ . Advanced Synthesis and Catalysis, 2014, 356, 596-602.	4.3	5
41	Regioselective BF ₃ ·Et ₂ O-catalyzed C-H functionalization of indoles and pyrrole with reaction of β -diazophosphonates. RSC Advances, 2016, 6, 69352-69356.	3.6	5
42	Highly Regio- and Diastereoselective [3+2]-Annulation Reaction of Morita-Baylis-Hillman Carbonates with Pyrazolones Catalyzed by Tertiary Phosphines. Synthesis, 2017, 49, 3676-3685.	2.3	5
43	Regiospecific and highly stereoselective synthesis of β -amino (Z)-enylphosphonates via β -hydrogen migration reaction of dialkyl β -diazophosphonates catalyzed by AgOTf. RSC Advances, 2014, 4, 21492-21496.	3.6	4
44	Efficient Synthesis of 4,7-Dihydro-1H-oxepino[2,3-c]pyrazoles by Potassium Carbonate Promoted [4+3] Annulation of Crotonate-Derived Sulfur Ylides with Benzyldenepyrazolones. Synthesis, 2019, 51, 2149-2156.	2.3	4
45	A PPh ₃ -catalyzed sequential annulation reaction to construct cyclopentane-fused dihydropyrazolone-pyrrolidinediones. Organic and Biomolecular Chemistry, 2020, 18, 5577-5581.	2.8	4
46	Diastereoselective Synthesis of Adjacent P,C-Stereogenic β -N-Glycosidic Linked β -Aminophosphinates. Journal of Organic Chemistry, 2017, 82, 2481-2488.	3.2	3
47	Synthesis of Diphenyl β -(O-Phenyl Bis(2-Chloroethyl) amidophosphorylamino)-Phosphonates. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 720-725.	1.6	2
48	A regioselective Synthesis of Substituted Pyrazolines via a Cascade Annulation of Huisgen Zwitterion with β -Cyano- β , γ -unsaturated Ketones Under Solvent-free Heating Conditions. ChemistrySelect, 2019, 4, 10352-10356.	1.5	2
49	Synthesis of N-Protected β -Hydroxyl-phenyl β -Aminophosphonic Monoester. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 679-680.	1.6	0
50	Diastereoselective [Cu(MeCN) ₄ BF ₄ /BF ₃ ·Et ₂ O]-Catalyzed Cyclopropenation of Alkynes: Asymmetric Synthesis of β -Amino- β -cyclopropenyl Phosphonates. SynOpen, 2017, 01, 0068-0075.	1.7	0
51	Preparation and thermal properties of a novel DOPO-based Schiff base derivative as a flame retardant for polystyrene. Journal of Applied Polymer Science, 0, , .	2.6	0