

Hong-Wu Zhao

List of Publications by Year in descending order

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48
papers

894
citations

394421

19
h-index

501196

28
g-index

53
all docs

53
docs citations

53
times ranked

909
citing authors

#	ARTICLE	IF	CITATIONS
1	Enantioselective Synthesis of Quaternary 1,4-Benzodiazepin-2-one Scaffolds via Memory of Chirality. <i>Journal of the American Chemical Society</i> , 2003, 125, 11482-11483.	13.7	53
2	Enantioselective Synthesis of Diversely Substituted Quaternary 1,4-Benzodiazepin-2-ones and 1,4-Benzodiazepine-2,5-diones. <i>Journal of the American Chemical Society</i> , 2006, 128, 15215-15220.	13.7	51
3	Diastereo- and Enantioselective Synthesis of Chiral Pyrrolidine-Fused Spirooxindoles via Organocatalytic [3+2] 1,3-Dipolar Cycloaddition of Azomethine Ylides with Maleimides. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2492-2502.	4.3	50
4	Organocatalytic [3+2] Cycloadditions of Barbiturate-Based Olefins with Isothiocyanato Oxindoles: Highly Diastereoselective and Enantioselective Synthesis of Dispirobarbiturates. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2619-2630.	4.3	44
5	Formal [5+2] cycloaddition of vinyl ethylene carbonates to oxazol-5(4H)-ones for the synthesis of 3,4-dihydrooxepin-2(7H)-ones. <i>Chemical Communications</i> , 2018, 54, 9178-9181.	4.1	44
6	Diastereoselective and Enantioselective Synthesis of Barbiturate-Fused Spirotetrahydroquinolines via Chiral Palladium(0)/Ligand Complex Catalyzed [4 + 2] Cycloaddition of Vinyl Benzoxazinones with Barbiturate-Based Olefins. <i>Journal of Organic Chemistry</i> , 2018, 83, 9291-9299.	3.2	41
7	Synthesis and Characterization of Pyridine-Based Polyamido-Polyester Optically Active Macrocycles and Enantiomeric Recognition for D- and L-Amino Acid Methyl Ester Hydrochloride. <i>Journal of Organic Chemistry</i> , 2000, 65, 2933-2938.	3.2	36
8	Facile access to novel 1,2,4-oxadiazinan-5-ones via [3 + 3] cycloaddition of in situ generated azaoxyallyl cations with nitrones. <i>RSC Advances</i> , 2017, 7, 12916-12922.	3.6	36
9	Diastereoselective 1,3-Dipolar Cycloadditions of N-Cyclic Azomethine Imines with Iminooxindoles for Access to Oxindole Spiro-N-bicyclic Heterocycles. <i>Organic Letters</i> , 2016, 18, 848-851.	4.6	35
10	Formal [5+3] Cycloaddition of Vinyl ethylene Carbonates with Isatin-Based (Trifluoromethyl)imines for Diastereoselective Synthesis of Medium-Heterocycle-Fused Spirooxindoles. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4761-4771.	4.3	33
11	Construction of 2,3,4,7-tetrahydro-1,2,4,5-oxatriazepines via [4+3] Cycloadditions of Halogeno Hydrazones with Nitrones. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1826-1832.	4.3	32
12	Diastereoselective and Enantioselective Michael Addition Reactions of Ketones and Aldehydes to Nitro Olefins Catalyzed by C ₂ -Symmetric Axially-Unfixed Biaryl-Based Organocatalysts Derived from Enantiopure L-Proline. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1740-1748.	2.4	30
13	Design, Synthesis and Use of Novel 3,3'-Disubstituted 2,2'-Bipyridine-Based Chiral Ligands: Asymmetric Catalysis in Direct Aldol Reactions. <i>Synlett</i> , 2012, 23, 1990-1994.	1.8	29
14	Diastereoselective Synthesis of Dispirobarbiturates through Et ₃ N-Catalyzed [3 + 2] Cycloaddition of Barbiturate-Based Olefins with 3-Isothiocyanato Oxindoles. <i>Journal of Organic Chemistry</i> , 2015, 80, 10380-10385.	3.2	29
15	Base-Promoted [3+2] Cycloaddition of In Situ Formed Azaoxyallyl Cations with Isothiocyanides. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3466-3472.	2.4	28
16	Highly Enantioselective Synthesis of Chiral Pyranonaphthoquinone-Fused Spirooxindoles through Organocatalytic Three-Component Cascade Reactions. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3320-3326.	2.4	26
17	Asymmetric Synthesis of Spiropyrazolones via Chiral Pd(0)/Ligand Complex-Catalyzed Formal [4+2] Cycloaddition of Vinyl Benzoxazinones with Alkylidene Pyrazolones. <i>Journal of Organic Chemistry</i> , 2021, 86, 1712-1720.	3.2	26
18	Direct access to non-aromatic 1,2,3,6-tetrahydro-1,2,3,4-tetrazines via [4 + 2] cycloaddition of halogeno hydrazones with azodicarboxylic acid derivatives. <i>RSC Advances</i> , 2016, 6, 25562-25567.	3.6	20

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19	1,3-Dipolar [3 + 3] cycloaddition of $\hat{\pm}$ -halohydroxamate-based azaoxyallyl cations with hydrazonoyl chloride-derived nitrile imines. RSC Advances, 2017, 7, 55106-55109.	3.6	20
20	Asymmetric Direct Michael Reactions of Cyclohexanone with Aromatic Nitroolefins in Water Catalyzed by Novel Axially Unfixed Biaryl-Based Bifunctional Organocatalysts. Synlett, 2014, 25, 293-297.	1.8	19
21	Organocatalytic Stereoselective Synthesis of 3-alkyl- β -hydroxy- α -oxindoles Catalyzed by Novel Water-compatible Axially Unfixed Biaryl-based Bifunctional Organocatalysts. Chinese Journal of Chemistry, 2014, 32, 417-428.	4.9	19
22	Novel Axially Unfixed Biaryl-Based Water-Compatible Organocatalysts: Design, Synthesis and Their Asymmetric Catalysis in Direct Aldol Reactions in Water. Synlett, 2013, 24, 2160-2164.	1.8	18
23	[3 + 2] Cycloaddition of Oxazol-5-(4 <i>H</i>)-ones with Nitrones for Diastereoselective Synthesis of Isoxazolidin-5-ones. Organic Letters, 2017, 19, 26-29.	4.6	14
24	Photocatalyst-Free Singlet Oxygen-Induced Oxygenation: A Strategy for the Preparation of 5-Cyano-2-pyridones Driven by Blue-Light Irradiation. Journal of Organic Chemistry, 2020, 85, 8279-8286.	3.2	13
25	Highly diastereoselective synthesis of imidazolidine-dispirooxindoles via three-component [3 + 2] cycloadditions of isatins, 2-(aminomethyl)pyridine and isatin-based imines. RSC Advances, 2015, 5, 103116-103122.	3.6	12
26	Facile construction of novel imidazolidine-spirooxindoles via diastereoselective cycloaddition of N-acylhydrazine-derived imines with 3-isothiocyanato oxindoles. RSC Advances, 2016, 6, 27690-27695.	3.6	12
27	Luminescent behaviors of bipyridine proline-grafted hybrid bimodal mesoporous silica and its catalytic performance in asymmetric aldol reaction. Microporous and Mesoporous Materials, 2018, 260, 245-252.	4.4	12
28	Construction of 2,3,4,5-tetrahydro-1,2,4-triazines via [4 + 2] cycloaddition of $\hat{\pm}$ -halogeno hydrazones to imines. RSC Advances, 2017, 7, 9264-9271.	3.6	11
29	Palladium-Catalyzed Formal (5 + 6) Cycloaddition of Vinyl ethylene Carbonates with Isatoic Anhydrides for the Synthesis of Medium-Sized <i>N</i> , <i>O</i> -Containing Heterocycles. Organic Letters, 2021, 23, 2802-2806.	4.6	11
30	Design, Synthesis and Organocatalysis of 2,2'-Biphenol-Based Prolinamide Organocatalysts in the Asymmetric Direct Aldol Reaction in Water. Synlett, 2013, 24, 2743-2747.	1.8	10
31	Formal [4+2] Cycloaddition of Vinyl Benzoxazinones with Oxazol-5-(4 <i>H</i>)-ones for Diastereoselective Construction of 3,4-disubstituted Dihydro-1 <i>H</i> -quinolinones. Advanced Synthesis and Catalysis, 2019, 361, 4111-4116.	4.3	10
32	Diastereoselective formal [3 + 3] cycloaddition of isatin-based $\hat{\pm}$ -(trifluoromethyl)imines with <i>N</i> , <i>N</i> -dialkyloxureas. Organic Chemistry Frontiers, 2019, 6, 3891-3895.	4.5	10
33	Diastereoselective synthesis of highly functionalized polycyclic benzosultams via tandem cyclisations of cyclic <i>N</i> -sulfonylimines with in situ generated Huisgen 1,4-dipoles. RSC Advances, 2016, 6, 61732-61739.	3.6	8
34	Formal [5+3] Cycloaddition between Isatin-Based $\hat{\pm}$ -(Trifluoromethyl)imine Ylides and Vinyloxiranes: Diastereoselective Access to Medium-Heterocycle-Fused Spirooxindoles. Synlett, 2021, 32, 57-62.	1.8	8
35	Asymmetric Synthesis and Structural Elucidation of C2-Symmetrical Optically Active Macrocycles Consisting of Two Biaryl and Two $\hat{\pm}$ -Amino Acid Moieties. Synlett, 2010, 2010, 2557-2560.	1.8	6
36	Asymmetric Synthesis of Novel Biaryl Analogues with a Fused Chiral Bicyclic Bridge Using $\hat{\pm}$ -Amino Acids as Chiral Sources. Synlett, 2011, 2011, 2415-2419.	1.8	5

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37	Asymmetric Synthesis of Novel Axially Chiral 2,2'-Bipyridine <i>N,N'</i> -Dioxides Bearing \pm -Amino Acid Residues and Their Applications in Enantioselective Allylation of Aromatic Aldehydes with Allyltrichlorosilane. <i>Chinese Journal of Chemistry</i> , 2013, 31, 485-493.	4.9	4
38	Base-Catalyzed Formal [3+2] Cycloaddition of Diazooxindoles with Oxazolones. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 341-346.	2.4	4
39	Stability of Immobilization of Bipyridine-proline on Zn-Modified Bimodal Mesoporous Silicas and Recyclable Catalytic Performance in Asymmetric Aldol Reaction. <i>ChemistrySelect</i> , 2019, 4, 3105-3112.	1.5	4
40	Formal [5+2] Cycloaddition of Vinyloxiranes with Oxazolones: A Facile Approach for Construction of Seven-Membered Lactones. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5557-5562.	2.4	4
41	The Synthesis of Chiral Macrocyclic Ligands Containing A 2,5-Bisphenyl-1,3,4-Oxadiazole Unit. <i>Synthetic Communications</i> , 2000, 30, 2923-2931.	2.1	3
42	Synthesis of Extended Bipyridine-proline Chiral Catalysts and Resulting Effects on the Asymmetric Aldol Reactions of Bulkier Aldehyde Derivatives with Cyclohexanone. <i>ChemistrySelect</i> , 2020, 5, 10996-11003.	1.5	3
43	Pd-Catalyzed Decarboxylative Coupling Between Allyl Carbonates and Vinyl Benzoxazinanes. <i>Advanced Synthesis and Catalysis</i> , 0, , .	4.3	3
44	Synthesis of a Series of Novel Chiral Aromatic Heterocyclic Macrocycles Containing L-Amino Acid and 2,5-Bisphenyl-1,3,4-triazole Subunits. <i>Synthetic Communications</i> , 2009, 39, 3038-3044.	2.1	2
45	Diastereoselective Synthesis of Rotationally Restricted Chiral Phenylpyridines via Intramolecular Cascade Cyclization of N-Acyliminium Ions Containing \pm -Amino Acid Residues. <i>Synthetic Communications</i> , 2013, 43, 3175-3180.	2.1	2
46	[3+2] Cycloaddition between β -Isothiocyanato Oxindoles and Nitroso Compounds. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3139-3144.	2.4	2
47	Formal [3+2] Cycloaddition Between <i>in situ</i> Formed 1,4-Benzodiazepinone-Based Azomethine Ylides and Azodicarboxylic Acid Derivatives: Diastereoselective Synthesis of Spiro-1,4-Benzodiazepinones. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1379-1389.	4.3	2
48	Pd-Catalyzed three-component decarboxylative coupling reactions between alkylidene pyrazolones, allyl carbonates and active methylene compounds. <i>Organic and Biomolecular Chemistry</i> , 0, , .	2.8	0