Xiaoyu Han

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2804231/publications.pdf

Version: 2024-02-01

24 papers	2,804 citations	430442 18 h-index	642321 23 g-index
29 all docs	29 docs citations	29 times ranked	1138 citing authors

#	Article	IF	Citations
1	Highly Enantioselective [3+2] Annulation of Moritaâ€“Baylisâ€“Hillman Adducts Mediated by <scp>L</scp>â€Threonineâ€Derived Phosphines: Synthesis of 3â€Spirocyclopenteneâ€2â€oxindoles having Two Contiguous Quaternary Centers. Angewandte Chemie - International Edition, 2011, 50, 7837-7841.	7.2	396
2	Amino Acid-Derived Bifunctional Phosphines for Enantioselective Transformations. Accounts of Chemical Research, 2016, 49, 1369-1378.	7.6	315
3	Enantioselective [3 + 2] Cycloaddition of Allenes to Acrylates Catalyzed by Dipeptide-Derived Phosphines: Facile Creation of Functionalized Cyclopentenes Containing Quaternary Stereogenic Centers. Journal of the American Chemical Society, 2011, 133, 1726-1729.	6.6	286
4	Asymmetric Synthesis of Spiropyrazolones through Phosphineâ€Catalyzed [4+1] Annulation. Angewandte Chemie - International Edition, 2014, 53, 5643-5647.	7.2	229
5	Versatile Enantioselective [3+2] Cyclization between Imines and Allenoates Catalyzed by Dipeptideâ€Based Phosphines. Angewandte Chemie - International Edition, 2012, 51, 767-770.	7.2	220
6	Highly enantioselective [4 + 2] annulations catalyzed by amino acid-based phosphines: Synthesis of functionalized cyclohexenes and 3-spirocyclohexene-2-oxindoles. Chemical Science, 2012, 3, 1231.	3.7	182
7	Chiral Phosphine Catalyzed Asymmetric Michael Addition of Oxindoles. Angewandte Chemie - International Edition, 2013, 52, 943-947.	7.2	152
8	Phosphineâ€mediated Highly Enantioselective Spirocyclization with Ketimines as Substrates. Angewandte Chemie - International Edition, 2016, 55, 6492-6496.	7.2	149
9	Asymmetric Construction of Functionalized Bicyclic Imides via [3 + 2] Annulation of MBH Carbonates Catalyzed by Dipeptide-Based Phosphines. Organic Letters, 2012, 14, 3764-3767.	2.4	111
10	Asymmetric [3+2] annulation of allenes with maleimides catalyzed by dipeptide-derived phosphines: facile creation of functionalized bicyclic cyclopentenes containing two tertiary stereogenic centers. Chemical Communications, 2012, 48, 970-972.	2.2	108
11	<scp>l</scp>-Threonine-Derived Novel Bifunctional Phosphineâ€Sulfonamide Catalyst-Promoted Enantioselective Aza-Moritaâ€Baylisâ€Hillman Reaction. Organic Letters, 2011, 13, 1310-1313.	2.4	105
12	Enantioselective Moritaâ€“Baylisâ€“Hillman reaction promoted by l-threonine-derived phosphineâ€“thiourea catalysts. Organic and Biomolecular Chemistry, 2011, 9, 6734.	1.5	67
13	Asymmetric Synthesis of Spiropyrazolones through Phosphineâ€Catalyzed [4+1] Annulation. Angewandte Chemie, 2014, 126, 5749-5753.	1.6	63
14	Phosphineâ€mediated Highly Enantioselective Spirocyclization with Ketimines as Substrates. Angewandte Chemie, 2016, 128, 6602-6606.	1.6	57
15	Highly enantioselective synthesis of dihydrocoumarin-fused dihydropyrans via the phosphine-catalyzed [4 + 2] annulation of allenones with 3-aroylcoumarins. Organic and Biomolecular Chemistry, 2016, 14, 5059-5064.	1.5	41
16	Asymmetric synthesis of chiral imidazolidines by merging copper and visible light-induced photoredox catalysis. Organic Chemistry Frontiers, 2022, 9, 2994-2999.	2.3	16
17	Enantioselective Synthesis of Oxindoleâ€Derived Î±â€Arylâ€Î²â€Amino Acid Derivatives and Îˆâ€Lactams with Homophthalic Anhydrides. Advanced Synthesis and Catalysis, 2019, 361, 5516-5520.	2.1	14
18	A highly enantioselective Friedelâ€“Crafts reaction of 3,5-dimethoxylphenol with nitroolefins mediated by a bifunctional quinine derived thiourea catalyst. Organic and Biomolecular Chemistry, 2017, 15, 3401-3407.	1.5	12

#	Article	IF	Citations
19	Highly Enantio- and Diastereoselective l-Proline Derived Acetylglucose Amide Catalyzed Aldol Reaction of Ketones to Aldehydes under Solvent-Free Conditions. Synlett, 2015, 26, 2858-2862.	1.0	7
20	Enantioselective Synthesis of Tertiary Trifluoromethyl Carbinols by Vinylogous Aldol Reaction of 3-Methylcyclohex-2-en-1-one with (Het)aryl Trifluoromethyl Ketones. Synlett, 2019, 30, 240-244.	1.0	4
21	Synthesis of 2-chromanone-fused [3.2.0] bicycles through a phosphine-mediated tandem [3 + 2] cyclization/intramolecular Wittig reaction. Organic Chemistry Frontiers, 0, , .	2.3	3
22	Diversity-Oriented Synthesis of Coumarin-Fused Cyclopentanones via a Nucleophilic Phosphine Controlled Cascade Reaction. Synlett, 0, , .	1.0	1
23	Front Cover Picture: Enantioselective Synthesis of OxindoleâEDerived Î±â€Arylâ€Î²â€Amino Acid Derivatives and Îˆâ€Lactams with Homophthalic Anhydrides (Adv. Synth. Catal. 24/2019). Advanced Synthesis and Catalysis, 2019, 361, 5499-5499.	2.1	0
24	Friedel-Crafts Benzylation of Unprotected Anilines with Indole-3-carbinols to Access Trifluoro-methyl(indolyl)phenylmethanes. Letters in Organic Chemistry, 2021, 18, .	0.2	0