

Huicai Huang

List of Publications by Year in descending order

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papers

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304602

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#	ARTICLE	IF	CITATIONS
1	Asymmetric Intramolecular Oxa-Michael Reactions of Cyclohexadienones Catalyzed by a Primary Amine Salt. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1743-1747.	7.2	112
2	Highly Diastereo- and Enantioselective Synthesis of 5-Substituted 3-Pyrrolidin-2-ones: Vinylogous Michael Addition under Multifunctional Catalysis. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3232-3235.	7.2	100
3	Diastereodivergent Catalysis Using Modularly Designed Organocatalysts: Synthesis of both <i>cis</i> - and <i>trans</i> -Fused Pyrano[2,3- <i>b</i>]pyrans. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2213-2216.	7.2	79
4	Highly Diastereodivergent Synthesis of Tetrasubstituted Cyclohexanes Catalyzed by Modularly Designed Organocatalysts. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7619-7623.	7.2	78
5	A highly efficient asymmetric Michael addition of $\hat{1}\pm, \hat{1}\pm$ -disubstituted aldehydes to maleimides catalyzed by primary amine thiourea salt. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4767.	1.5	75
6	Asymmetric vinylogous Michael reaction of $\hat{1}\pm, \hat{1}^2$ -unsaturated ketones with $\hat{1}^3$ -butenolide under multifunctional catalysis. <i>Chemical Communications</i> , 2010, 46, 5957.	2.2	71
7	Highly diastereoselective and enantioselective Michael addition of 5H-oxazol-4-ones to $\hat{1}\pm, \hat{1}^2$ -unsaturated ketones catalyzed by a new bifunctional organocatalyst with broad substrate scope and applicability. <i>Chemical Communications</i> , 2012, 48, 461-463.	2.2	65
8	Asymmetric construction of spirocyclohexanonerhodanines catalyzed by simple diamine derived from chiral tert-leucine. <i>Chemical Communications</i> , 2012, 48, 9180.	2.2	49
9	A sulfonate-based Cu(I) metal-organic framework as a highly efficient and reusable catalyst for the synthesis of propargylamines under solvent-free conditions. <i>Chinese Chemical Letters</i> , 2015, 26, 6-10.	4.8	49
10	Diastereo- and Enantioselective Synthesis of Oxazine and Oxazolidine Derivatives with a Chiral Quaternary Carbon Center under Multifunctional Catalysis. <i>Organic Letters</i> , 2011, 13, 564-567.	2.4	42
11	Catalytic asymmetric Michael addition with curcumin derivative. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2505.	1.5	40
12	Enantioselective Synthesis of Benzofuran-Fused <i>N</i> -Heterocycles via Chiral Squaramide Catalyzed [4 + 2] Cyclization of Azadienes with Azlactones. <i>Journal of Organic Chemistry</i> , 2019, 84, 8035-8045.	1.7	36
13	A metal-organic framework as a highly efficient and reusable catalyst for the solvent-free 1,3-dipolar cycloaddition of organic azides to alkynes. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 42-46.	3.0	33
14	Asymmetric Inverse-Electron-Demand Diels-Alder Reaction of $\hat{1}^2, \hat{1}^3$ -Unsaturated Amides through Dienolate Catalysis. <i>Organic Letters</i> , 2019, 21, 7337-7341.	2.4	33
15	Highly Diastereo- and Enantioselective Cross-Cascade Reactions of Different Enones. <i>Chemistry - A European Journal</i> , 2013, 19, 3838-3841.	1.7	32
16	Highly Stereoselective Synthesis of Trisubstituted Cyclohexanols Using a Guanidine-Catalyzed Tandem Henry-Michael Reaction. <i>Journal of Organic Chemistry</i> , 2013, 78, 4153-4157.	1.7	29
17	Regiodivergent Vinylogous Cyclization Reactions of Cyclic $\hat{1}\pm$ -Amide Enone Acceptors: Synthesis of Highly Enantioenriched Heterobicyclic Structures. <i>Organic Letters</i> , 2019, 21, 10069-10074.	2.4	29
18	Organocatalyzed Asymmetric Aldol Reactions of Ketones and $\hat{1}^2, \hat{1}^3$ -Unsaturated $\hat{1}\pm$ -Ketoesters and Phenylglyoxal Hydrates. <i>Journal of Organic Chemistry</i> , 2015, 80, 806-815.	1.7	27

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19	Enantioselective Organocatalytic Synthesis of Oxazolidine Derivatives through a One-Pot Cascade Reaction. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 343-348.	2.1	24
20	Stereoselective synthesis of spirooxindole derivatives using an organocatalyzed tandem Michael-Michael reaction. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1755-1763.	1.5	23
21	Enantioselective synthesis of pyrano[2,3- <i>c</i>]pyrrole via an organocatalytic [4 + 2] cyclization reaction of dioxopyrrolidines and azlactones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3945-3950.	1.5	23
22	Asymmetric Catalysis Using Modularly Designed Organocatalysts: Synthesis of Fused Tricyclic Pyrano-Pyrano[2,3- <i>c</i>]pyrrol Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3234-3238.	2.1	22
23	Asymmetric Construction of Cyclobutanes via Direct Vinylogous Michael Addition/Cyclization of $\hat{1}^2, \hat{1}^3$ -Unsaturated Amides. <i>Organic Letters</i> , 2020, 22, 7135-7140.	2.4	22
24	Diastereodivergent Catalysis Using Modularly Designed Organocatalysts: Synthesis of both <i>cis</i> and <i>trans</i> -Fused Pyrano[2,3- <i>b</i>]pyrans. <i>Angewandte Chemie</i> , 2016, 128, 2253-2256.	1.6	21
25	Organocatalytic 1,4-Addition of Azadienes with 3-Homoacyl Coumarins toward Highly Enantioenriched Benzofuran Coumarin Skeletons. <i>Journal of Organic Chemistry</i> , 2020, 85, 12175-12186.	1.7	19
26	A one-pot asymmetric organocatalytic tandem reaction for the synthesis of oxazine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1809.	1.5	13
27	Synthesis, Biological Evaluation and Low-Toxic Formulation Development of Glycosylated Paclitaxel Prodrugs. <i>Molecules</i> , 2018, 23, 3211.	1.7	12
28	Brusatol has therapeutic efficacy in non-small cell lung cancer by targeting Skp1 to inhibit cancer growth and metastasis. <i>Pharmacological Research</i> , 2022, 176, 106059.	3.1	11
29	Asymmetric synthesis of highly functionalized furanones via direct Michael reactions mediated by a bulky primary amine. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1080-1083.	2.3	5
30	Organocatalytic $\hat{1}^2, \hat{1}^3$ -Selective Activation of Deconjugated Butenolides Access to Chiral Tricyclic Chroman-butyrolactones. <i>Journal of Organic Chemistry</i> , 2021, 86, 12821-12830.	1.7	5
31	Diastereoselective Synthesis of Bicyclo[2.2.2]octan-2-one Derivatives through an Unexpected Organocatalytic Tandem Michael-Michael Reaction. <i>Synthesis</i> , 2011, 2011, 1984-1987.	1.2	4
32	Enantioselective $\hat{1}^2$ -Alkylation of Aldehydes through an Organocatalyzed C-C Bond-Scission Reaction. <i>Synlett</i> , 2016, 27, 1379-1382.	1.0	3
33	Gentiopicroside Produces Endothelium-Independent Vasodilation by Deactivating the PI3K/Akt/Rho-Kinase Pathway in Isolated Rat Thoracic Aorta. <i>BioMed Research International</i> , 2021, 2021, 1-10.	0.9	3
34	Asymmetric Michael reaction of 3-homoacyl coumarins with chromone-fused dienes toward enantioenriched coumarin chromone skeletons. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8102-8107.	1.5	0