

Enamine-Based Organocatalysis with Proline and Diamine Catalytic Asymmetric Aldol, Mannich, Michael, and Dieckmann

Accounts of Chemical Research

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Citation Report

#	ARTICLE	IF	CITATIONS
1	In the Golden Age of Organocatalysis. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5138-5175.	7.2	2,460
2	The Scope of the Direct Proline-Catalyzed Asymmetric Addition of Ketones to Imines. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1131-1140.	2.1	123
4	Enamine-Based Organocatalysis with Proline and Diamines: The Development of Direct Catalytic Asymmetric Aldol, Mannich, Michael, and Diels-Alder Reactions. <i>ChemInform</i> , 2004, 35, no.	0.1	1
5	Towards Organo-Click Chemistry: Development of Organocatalytic Multicomponent Reactions Through Combinations of Aldol, Wittig, Knoevenagel, Michael, Diels-Alder and Huisgen Cycloaddition Reactions. <i>Chemistry - A European Journal</i> , 2004, 10, 5323-5331.	1.7	267
6	Proline-catalyzed asymmetric aldol reactions of tetrahydro-4H-thiopyran-4-one with aldehydes. <i>Tetrahedron Letters</i> , 2004, 45, 8347-8350.	0.7	89
7	Asymmetric Michael addition promoted by (R,R)-trans-1,2-diaminocyclohexane in ionic liquids. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 3535-3539.	0.8	21
8	Heterogeneous catalysis of the asymmetric aldol reaction by solid-supported proline-terminated peptides. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 2487-2492.	1.8	86
9	Direct, pyrrolidine sulfonamide promoted enantioselective aldol reactions of β,β -dialkyl aldehydes: synthesis of quaternary carbon-containing β -hydroxy carbonyl compounds. <i>Tetrahedron Letters</i> , 2005, 46, 5077-5079.	0.7	78
10	Chiral bis-trifluoromethanesulfonylamide as a chiral Brønsted acid catalyst for the asymmetric hetero Diels-Alder reaction with Danishefsky's diene. <i>Tetrahedron Letters</i> , 2005, 46, 6355-6358.	0.7	58
11	Direct asymmetric aldol reaction in aqueous media using polymer-supported peptide. <i>Tetrahedron Letters</i> , 2005, 46, 8185-8187.	0.7	127
12	Direct aldol and tandem Mannich reactions in room temperature ammonia solutions. <i>Tetrahedron Letters</i> , 2005, 46, 8685-8689.	0.7	9
13	An unexpected inversion of enantioselectivity in the proline catalyzed intramolecular Baylis-Hillman reaction. <i>Tetrahedron Letters</i> , 2005, 46, 8899-8903.	0.7	126
14	The stereoselective synthesis of β -substituted β -amino secondary alcohols based on the proline-mediated, asymmetric, three-component Mannich reaction and its application to the formal total synthesis of nikkomycins B and Bx. <i>Tetrahedron</i> , 2005, 61, 11393-11404.	1.0	44
16	Practical and Highly Enantioselective Synthesis of β -Alkynyl- β -amino Esters through Ag-Catalyzed Asymmetric Mannich Reactions of Silylketene Acetals and Alkynyl Imines. <i>Organic Letters</i> , 2005, 7, 2711-2713.	2.4	89
17	Asymmetry on large scale: the roadmap to stereoselective processes. <i>Nature Reviews Drug Discovery</i> , 2005, 4, 685-697.	21.5	85
18	5-(Pyrrolidine-2-yl)tetrazole: Rationale for the Increased Reactivity of the Tetrazole Analogue of Proline in Organocatalyzed Aldol Reactions. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 4287-4295.	1.2	91
19	Five at One Stroke™: Proline and Small Peptides in the Stereoselective de novo Synthesis and Enantiotopic Functionalization of Carbohydrates. <i>Chemistry and Biodiversity</i> , 2005, 2, 825-836.	1.0	33
20	Direct, Highly Enantioselective Pyrrolidine Sulfonamide Catalyzed Michael Addition of Aldehydes to Nitrostyrenes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1369-1371.	7.2	341

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21	Enantioselective Organocatalyzed $\hat{\pm}$ Sulfenylation of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 794-797.	7.2	893
22	Design of an Axially Chiral Amino Acid with a Binaphthyl Backbone as an Organocatalyst for a Direct Asymmetric Aldol Reaction. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3055-3057.	7.2	155
23	Direct Asymmetric $\hat{\pm}$ -Fluorination of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3706-3710.	7.2	315
24	Diphenylprolinol Silyl Ethers as Efficient Organocatalysts for the Asymmetric Michael Reaction of Aldehydes and Nitroalkenes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4212-4215.	7.2	1,177
25	Catalytic Enantioselective 1,3-Dipolar Cycloaddition Reaction of Azomethine Ylides and Alkenes: The Direct Strategy To Prepare Enantioenriched Highly Substituted Proline Derivatives. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6272-6276.	7.2	285
26	Urea- and Thiourea-Substituted Cinchona Alkaloid Derivatives as Highly Efficient Bifunctional Organocatalysts for the Asymmetric Addition of Malonate to Nitroalkenes: Inversion of Configuration at C9 Dramatically Improves Catalyst Performance.. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6367-6370.	7.2	631
28	Enantioselective Organocatalyzed $\hat{\pm}$ Sulfenylation of Aldehydes. <i>Angewandte Chemie</i> , 2005, 117, 804-807.	1.6	367
33	The Direct, Enantioselective, One-Pot, Three-Component, Cross-Mannich Reaction of Aldehydes: The Reason for the Higher Reactivity of Aldimineversus Aldehyde in Proline-Mediated Mannich and Aldol Reactions. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1595-1604.	2.1	44
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35	Probing the "additive effect" in the proline and proline hydroxamic acid catalyzed asymmetric addition of nitroalkanes to cyclic enones. <i>Chirality</i> , 2005, 17, 540-543.	1.3	31
36	Dynamic Structural Change of the Self-Assembled Lanthanum Complex Induced by Lithium Triflate for Direct Catalytic Asymmetric Aldol-Tishchenko Reaction. <i>Chemistry - A European Journal</i> , 2005, 11, 5195-5204.	1.7	57
37	Direct Organocatalytic Asymmetric $\hat{\pm}$ -Sulfenylation of Activated C-H Bonds in Lactones, Lactams, and $\hat{\pm}$ -Dicarbonyl Compounds. <i>Chemistry - A European Journal</i> , 2005, 11, 5689-5694.	1.7	91
38	A study on the intramolecular catalytic aldol cyclodehydration of 3,4-disubstituted 1,6-dialdehydes. <i>Journal of Molecular Catalysis A</i> , 2005, 234, 159-167.	4.8	6
39	(1R,2R,2 $\hat{\pm}$ S)-2-(4-Methylphenylsulfonamido)-1-(pyrrolidine-2 $\hat{\pm}$ -carboxamido)cyclohexane. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o2730-o2732.	0.2	0
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42	Transition State Modeling and Catalyst Design for Hydrogen Bond-Stabilized Enolate Formation. <i>Journal of Organic Chemistry</i> , 2005, 70, 7755-7760.	1.7	18
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45	Asymmetric Aza-Mannich Reactions of Sulfinimines: Scope and Application to the Total Synthesis of a Bromopyrrole Alkaloid. <i>Organic Letters</i> , 2005, 7, 5905-5907.	2.4	54
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55	Organocatalytic Highly Enantioselective Synthesis of Secondary α -Hydroxyphosphonates. <i>Organic Letters</i> , 2006, 8, 4911-4914.	2.4	65
56	Mannich reaction. , 2006, , 361-362.		1
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59	A new asymmetric organocatalytic nitrocyclopropanation reaction. <i>Chemical Communications</i> , 2006, , 4838.	2.2	81
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61	The Literature of Heterocyclic Chemistry, Part IX, 2002-2004. <i>Advances in Heterocyclic Chemistry</i> , 2006, , 145-258.	0.9	15
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78	<i>L</i> -Proline amide-catalyzed direct asymmetric aldol reaction of aldehydes with chloroacetone. <i>Tetrahedron</i> , 2006, 62, 346-351.	1.0	79
79	Effect of additives on the proline-catalyzed ketone-aldehyde aldol reactions. <i>Tetrahedron</i> , 2006, 62, 317-328.	1.0	226
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107	Organocatalyzed direct aldol condensation using l-proline and BINAM-prolinamides: regio-, diastereo-, and enantioselective controlled synthesis of 1,2-diols. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 1027-1031.	1.8	63
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116	Organocatalytic Sigmatropic Reactions: Development of a [2,3] Wittig Rearrangement through Secondary Amine Catalysis. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2116-2119.	7.2	58

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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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