

Catalytic C-H amination: the stereoselectivity issue

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Citation Report

#	ARTICLE	IF	CITATIONS
1	An Oxidative [2,3]-Sigmatropic Rearrangement of Allylic Hydrazides. <i>Journal of the American Chemical Society</i> , 2011, 133, 14252-14255.	6.6	28
2	Stereoselective Rhodium-Catalyzed Amination of Alkenes. <i>Organic Letters</i> , 2011, 13, 5460-5463.	2.4	89
3	Combined C-H Functionalization/Cope Rearrangement with Vinyl Ethers as a Surrogate for the Vinylogous Mukaiyama Aldol Reaction. <i>Journal of the American Chemical Society</i> , 2011, 133, 11940-11943.	6.6	61
4	Mechanism of Cobalt(II) Porphyrin-Catalyzed C-H Amination with Organic Azides: Radical Nature and H-Atom Abstraction Ability of the Key Cobalt(III)-Nitrene Intermediates. <i>Journal of the American Chemical Society</i> , 2011, 133, 12264-12273.	6.6	320
5	A Diruthenium Catalyst for Selective, Intramolecular Allylic C-H Amination: Reaction Development and Mechanistic Insight Gained through Experiment and Theory. <i>Journal of the American Chemical Society</i> , 2011, 133, 17207-17216.	6.6	281
6	The hydroamination of alkenes with sulfonamides catalyzed by the recyclable silica gel supported triflic acid. <i>Tetrahedron Letters</i> , 2011, 52, 6113-6117.	0.7	23
11	Palladium(0)-Catalyzed Intermolecular Amination of Unactivated C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8647-8651.	7.2	156
12	Copper-Catalyzed Aerobic Oxidative C-H Functionalizations: Trends and Mechanistic Insights. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11062-11087.	7.2	1,212
13	Palladium-Catalyzed Decarboxylative Intramolecular Aziridination from 4-Hydroxoxazolones Leading to Azabicyclo[3.1.0]hexanes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11470-11473.	7.2	106
14	Enantioselective Rhodium(I)-Catalyzed [3+2] Annulations of Aromatic Ketimines Induced by Directed C-H Activations. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11098-11102.	7.2	194
17	Transition-metal-free Benzylic C-H Bond Intermolecular Amination Utilizing Chloramine-T and I ₂ . <i>Chemistry Letters</i> , 2012, 41, 1672-1674.	0.7	24
18	Copper-Catalyzed sp ³ C-H Amination. <i>Organometallics</i> , 2012, 31, 7728-7752.	1.1	309
19	Catalytic Enantioselective Allylic Amination of Unactivated Terminal Olefins via an Ene Reaction/[2,3]-Rearrangement. <i>Journal of the American Chemical Society</i> , 2012, 134, 18495-18498.	6.6	82
20	Making expensive dirhodium(ii) catalysts cheaper: Rh(ii) recycling methods. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 3357.	1.5	43
21	Heteroatom methods. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2012, 108, 53.	0.8	1
22	Tetrabutylammonium iodide catalyzed allylic sulfonylation of β -methyl styrene derivatives with sulfonylhydrazides. <i>Chemical Communications</i> , 2012, 48, 12240.	2.2	212
23	Palladium-Catalyzed Vinylation of Aminals with Simple Alkenes: A New Strategy To Construct Allylamines. <i>Journal of the American Chemical Society</i> , 2012, 134, 20613-20616.	6.6	150
24	Synthesis of Differentially Substituted 1,2-Diamines through Advances in C-H Amination Technology. <i>Organic Letters</i> , 2012, 14, 6174-6177.	2.4	22

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25	Synthesis of Ruthenium(II) 2,6-Bis(imino)pyridyl Complexes for C-H Amination of Sulfamate Esters. <i>Heterocycles</i> , 2012, 84, 1313.	0.4	11
26	Stereoselective intermolecular C-H amination reactions. <i>Chemical Communications</i> , 2012, 48, 7799.	2.2	70
27	Diastereotopos-Differentiation in the Rh-Catalyzed Amination of Benzylic Methylene Groups in the β -Position to a Stereogenic Center. <i>Journal of the American Chemical Society</i> , 2012, 134, 13524-13531.	6.6	46
28	Intermolecular C-H Amination of Complex Molecules: Insights into the Factors Governing the Selectivity. <i>Journal of Organic Chemistry</i> , 2012, 77, 7232-7240.	1.7	82
29	Iodine(III)-Mediated Intermolecular Allylic Amination under Metal-Free Conditions. <i>Journal of the American Chemical Society</i> , 2012, 134, 7242-7245.	6.6	140
30	Allylic Amination and <i>N</i> -Arylation-Based Domino Reactions Providing Rapid Three-Component Strategies to Fused Pyrroles with Different Substituted Patterns. <i>Journal of Organic Chemistry</i> , 2012, 77, 7497-7505.	1.7	69
31	Design and Synthesis of Chiral Heteroleptic Rhodium(II) Carboxylate Catalysts: Experimental Investigation of Halogen Bond Rigidification Effects in Asymmetric Cyclopropanation. <i>ACS Catalysis</i> , 2012, 2, 1221-1225.	5.5	66
32	Stereospecific Intramolecular C-H Amination of 1-Aza-2-azoniaallene Salts. <i>Journal of the American Chemical Society</i> , 2012, 134, 9890-9893.	6.6	24
33	A Polymer-Supported Chiral Fluorinated Dirhodium(II) Complex for Asymmetric Amination of Silyl Enol Ethers. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2331-2338.	2.1	24
35	C-H Bond Functionalization: Emerging Synthetic Tools for Natural Products and Pharmaceuticals. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8960-9009.	7.2	2,669
36	Copper(II) Triflate Catalyzed Amination of 1,3-Dicarbonyl Compounds. <i>Chemistry - A European Journal</i> , 2012, 18, 12020-12027.	1.7	35
37	Rhodium(III)-catalyzed allylic C-H bond amination. Synthesis of cyclic amines from β -unsaturated N-sulfonylamines. <i>Chemical Communications</i> , 2012, 48, 10745.	2.2	95
38	Recent advances in transition metal-catalyzed sp^3 C-H amination adjacent to double bonds and carbonyl groups. <i>Chemical Society Reviews</i> , 2012, 41, 931-942.	18.7	422
39	Synthesis of Propargylic and Allenic Carbamates <i>via</i> the C-H Amination of Alkynes. <i>Organic Letters</i> , 2012, 14, 280-283.	2.4	64
41	Regioselective CH Bond Activation on Stabilized Nitrogen Ylides Promoted by Pd(II) Complexes: Scope and Limitations. <i>Organometallics</i> , 2012, 31, 394-404.	1.1	13
42	A highly efficient catalyst-free protocol for C-H bond activation: sulfamidation of alkyl aromatics and aldehydes. <i>Chemical Communications</i> , 2012, 48, 5491.	2.2	31
43	Palladium-Catalyzed Asymmetric Synthesis of Silicon-Stereogenic Dibenzosiloles via Enantioselective C-H Bond Functionalization. <i>Journal of the American Chemical Society</i> , 2012, 134, 7305-7308.	6.6	213
44	Metal-free β -CH amination of ethers with hypervalent sulfonylimino- β -bromane that acts as an active nitrenoid. <i>Chemical Communications</i> , 2012, 48, 5280.	2.2	58

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55	Nitrene Chemistry in Organic Synthesis: Still in Its Infancy?. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7384-7395.	7.2	379
56	Selective Iodine-Catalyzed Intermolecular Oxidative Amination of C(sp ³)–H Bonds with ortho-Carbonyl-Substituted Anilines to Give Quinazolines. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8077-8081.	7.2	192
57	A New Dirhodium Catalyst with Hemilabile Tropolonato Ligands for C–H Bond Functionalization. <i>Chemistry - A European Journal</i> , 2012, 18, 4854-4858.	1.7	4
58	Copper-catalyzed highly efficient aerobic oxidative synthesis of imines from alcohols and amines. <i>Green Chemistry</i> , 2012, 14, 1016.	4.6	99
59	N-Heterocyclic Carbene Gold(I) and Copper(I) Complexes in C–H Bond Activation. <i>Accounts of Chemical Research</i> , 2012, 45, 778-787.	7.6	320
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62	Palladium-Catalyzed Intermolecular C(sp ³)–H Amidation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2225-2228.	7.2	236
63	Theoretical Studies on Intramolecular C–H Amination of Biaryl Azides Catalyzed by Four Different Late Transition Metals. <i>Organometallics</i> , 2013, 32, 415-426.	1.1	37
64	Versatile Pd-Catalyzed C–H Oxidative Cyclization of Homoallylhydrazones to Pyrazolines and Tetrahydropyridazines. <i>ChemCatChem</i> , 2013, 5, 3014-3021.	1.8	14
65	Hydrogen-bond mediated regio- and enantioselectivity in a C–H amination reaction catalysed by a supramolecular Rh(II) complex. <i>Chemical Communications</i> , 2013, 49, 8009.	2.2	53
66	Mechanistic study of copper-catalyzed intramolecular ortho-C-H activation/carbon-nitrogen and carbon-oxygen cyclizations. <i>Science China Chemistry</i> , 2013, 56, 619-632.	4.2	17
67	Intramolecular C(sp ³)–H amination. <i>Chemical Science</i> , 2013, 4, 4092.	3.7	303

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68	Efficient Synthesis of Imino-methano Trãrger Bases by Nitrene Insertions into Câ€“N Bonds. <i>Organic Letters</i> , 2013, 15, 3930-3933.	2.4	19
69	Efficient Construction of Cã½N Double Bonds <i>via</i> Acceptorless Dehydrogenative Coupling. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2179-2184.	2.1	39
70	Theoretical studies of iron(iii)-catalyzed intramolecular Câ€“H amination of azides. <i>Dalton Transactions</i> , 2013, 42, 14369.	1.6	17
71	Metal organic frameworks as heterogeneous catalysts for the production of fine chemicals. <i>Catalysis Science and Technology</i> , 2013, 3, 2509.	2.1	270
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74	The preparation and properties of Cu doped TS-1 zeolite. <i>RSC Advances</i> , 2013, 3, 21628.	1.7	8
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78	Ruthenium-Mediated Câ€“H Functionalization of Pyridine: The Role of Vinylidene and Pyridylidene Ligands. <i>Journal of the American Chemical Society</i> , 2013, 135, 2222-2234.	6.6	79
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80	Construction of heterocyclic scaffolds via transition metal-catalyzed sp ³ Câ€“H functionalization. <i>Journal of Organometallic Chemistry</i> , 2013, 723, 224-232.	0.8	16
81	Copper-Catalyzed Aliphatic Câ€“H Amination with an Amidine Moiety. <i>Organic Letters</i> , 2013, 15, 212-215.	2.4	109
82	Theoretical Studies on the Mechanism of the Câ€“H Amination of Silyl Cyclopropenes by Azodicarboxylates. <i>Journal of Organic Chemistry</i> , 2013, 78, 988-995.	1.7	17
83	Metal-free, highly efficient organocatalytic amination of benzylic Câ€“H bonds. <i>Chemical Communications</i> , 2013, 49, 3700.	2.2	152
84	Mild Metal-Free Sequential Dual Oxidative Amination of C(sp ³)ã½H bonds: Efficient Synthesis of Imidazo[1,5- <i>a</i>]pyridines. <i>Organic Letters</i> , 2013, 15, 2274-2277.	2.4	113
85	Sequential Câ€“H Functionalization Reactions for the Enantioselective Synthesis of Highly Functionalized 2,3-Dihydrobenzofurans. <i>Journal of the American Chemical Society</i> , 2013, 135, 6774-6777.	6.6	142

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87	Catalytic C–H amination of alkanes with sulfonimidamides: silver(I)-scorpionates vs. dirhodium(II) carboxylates. <i>Tetrahedron</i> , 2013, 69, 4488-4492.	1.0	43
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116	Recent developments in Ritter reaction. <i>RSC Advances</i> , 2014, 4, 64936-64946.	1.7	95
117	Selective radical amination of aldehydic C(sp ²)-H bonds with fluoroaryl azides via Co(II)-based metalloradical catalysis: synthesis of N-fluoroaryl amides from aldehydes under neutral and nonoxidative conditions. <i>Chemical Science</i> , 2014, 5, 2422-2427.	3.7	62
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126	Copper-catalyzed redox-neutral C-H amination with amidoximes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 42-46.	1.5	76
127	Sulfamic Acid and Its N- and O-Substituted Derivatives. <i>Chemical Reviews</i> , 2014, 114, 2507-2586.	23.0	92

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137	<i>n</i> -Bu ₄ Ni-catalyzed selective dual amination of sp ³ Câ€“H bonds: oxidative domino synthesis of imidazo[1,5- <i>c</i>]quinazolines on a gram-scale. Chemical Communications, 2014, 50, 4302-4304.	2.2	48
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144	A Versatile Tripodal Cu(I) Reagent for Câ€“N Bond Construction via Nitrene-Transfer Chemistry: Catalytic Perspectives and Mechanistic Insights on Câ€“H Aminations/Amidations and Olefin Aziridinations. Journal of the American Chemical Society, 2014, 136, 11362-11381.	6.6	115
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147	Chemoselective Amination of Propargylic C(sp ³)–H Bonds by Cobalt(II)-Based Metalloradical Catalysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7028-7032.	7.2	141
148	Microwave-Assisted Synthesis: General Concepts. <i>Advances in Polymer Science</i> , 2014, , 1-44.	0.4	2
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151	Recent development of direct asymmetric functionalization of inert C–H bonds. <i>RSC Advances</i> , 2014, 4, 6173.	1.7	532
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