Asymmetric formation of Î³-lactams via Câ€“H amidati
hydrogen-bond-donor catalysts

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#	Article	IF	Citations
1	Strategic Approach to the Metamorphosis of Î³-Lactones to NH Î³-Lactams via Reductive Cleavage and Câ€“H Amidation. Organic Letters, 2019, 21, 7099-7103.	2.4	17
2	Rh(III)-Catalyzed Câ€“H Amidation of 2-Arylindoles with Dioxazolones: A Route to Indolo[1,2-<i>c</i>]quinazolines. Organic Letters, 2019, 21, 7038-7043.	2.4	45
3	Catalytic Cascade Dehydrogenative Cross-Coupling of BH/CH and BH/NH: One-Pot Process to Carborano-Isoquinolinone. Journal of the American Chemical Society, 2019, 141, 12855-12862.	6.6	65
4	Asymmetric Synthesis of Enantioenriched 6-Hydroxyl Butyrolactams Promoted by N-Heterocyclic Carbene. Journal of Organic Chemistry, 2019, 84, 10328-10337.	1.7	10
5	A Facile Direct Route to <i>N</i>â€(Un)substituted Lactams by Cycloamination of Oxocarboxylic Acids without External Hydrogen. ChemSusChem, 2019, 12, 3778-3784.	3.6	26
6	Catalytic Enantioselective Methylene C(sp³)âˆ’H Amidation of 8â€Alkylquinolines Using a Cp*Rh^{III}/Chiral Carboxylic Acid System. Angewandte Chemie - International Edition, 2019, 58, 18154-18158.	7.2	105
7	Sequential Oxidation and Câˆ’H Bond Activation at a Gallium(I) Center. Angewandte Chemie - International Edition, 2019, 58, 18102-18107.	7.2	21
8	Sequential Oxidation and Câˆ’H Bond Activation at a Gallium(I) Center. Angewandte Chemie, 2019, 131, 18270-18275.	1.6	6
9	An Update of Transition Metal-Catalyzed Decarboxylative Transformations of Cyclic Carbonates and Carbamates. Molecules, 2019, 24, 3930.	1.7	78
10	Catalytic Enantioselective Methylene C(sp³)âˆ’H Amidation of 8â€Alkylquinolines Using a Cp*Rh^{III}/Chiral Carboxylic Acid System. Angewandte Chemie, 2019, 131, 18322-18326.	1.6	38
11	Efficient Copper-Catalyzed Multicomponent Synthesis of <i>N-</i>Acyl Amidines via Acyl Nitrenes. Journal of the American Chemical Society, 2019, 141, 15240-15249.	6.6	58
12	Harnessing Secondary Coordination Sphere Interactions That Enable the Selective Amidation of Benzylic Câ€“H Bonds. Journal of the American Chemical Society, 2019, 141, 15356-15366.	6.6	55
13	Enhancing the Regioselectivity of B(C₆F₅)₃-Catalyzed Epoxide Alcoholysis Reactions Using Hydrogen-Bond Acceptors. ACS Catalysis, 2019, 9, 9663-9670.	5.5	19
14	Sustainable Knowledgeâ€Driven Approaches in Transitionâ€Metalâ€Catalyzed Transformations. ChemSusChem, 2019, 12, 2882-2897.	3.6	8
15	Synthetic Utility of <i>N</i>-Benzoyloxyamides as an Alternative Precursor of Acylnitrenoids for Î³-Lactam Formation. Organic Letters, 2019, 21, 2808-2812.	2.4	26
16	Asymmetric Î´-Lactam Synthesis with a Monomeric Streptavidin Artificial Metalloenzyme. Journal of the American Chemical Society, 2019, 141, 4815-4819.	6.6	106
17	Chiral Î³-lactam synthesis via asymmetric Câ€“H amidation. Nature Catalysis, 2019, 2, 182-183.	16.1	7
18	Iridium-Catalyzed Enantioselective C(sp³)â€“H Amidation Controlled by Attractive Noncovalent Interactions. Journal of the American Chemical Society, 2019, 141, 7194-7201.	6.6	156

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19	Non-<i>C</i>₂-Symmetric Chiral-at-Ruthenium Catalyst for Highly Efficient Enantioselective Intramolecular C(sp³)â€"H Amidation. Journal of the American Chemical Society, 2019, 141, 19048-19057.	6.6	102
20	Enantioselective Copper(I)/Chiral Phosphoric Acid Catalyzed Intramolecular Amination of Allylic and Benzylic Câˆ'H Bonds. Angewandte Chemie - International Edition, 2020, 59, 1129-1133.	7.2	63
21	Enantioselective Câ€"H Lactonization of Unactivated Methylenes Directed by Carboxylic Acids. Journal of the American Chemical Society, 2020, 142, 1584-1593.	6.6	63
22	Enantioselective Synthesis of Polycyclic Î³-Lactams with Multiple Chiral Carbon Centers via Ni(0)-Catalyzed Asymmetric Carbonylative Cycloadditions without Stirring. Journal of the American Chemical Society, 2020, 142, 1594-1602.	6.6	52
23	Enantioselective Copper(I)/Chiral Phosphoric Acid Catalyzed Intramolecular Amination of Allylic and Benzylic Câˆ'H Bonds. Angewandte Chemie, 2020, 132, 1145-1149.	1.6	18
24	Cobalt(III)â€Catalyzed Câˆ'H Amidation of Dehydroalanine for the Siteâ€Selective Structural Diversification of Thiostrepton. Angewandte Chemie - International Edition, 2020, 59, 890-895.	7.2	49
25	Nitrene Transfer Reactions for Asymmetric Câ€"H Amination: Recent Development. European Journal of Organic Chemistry, 2020, 2020, 909-916.	1.2	102
26	Catalytic Intermolecular C(sp³)â€"H Amination with Sulfamates for the Asymmetric Synthesis of Amines. Organic Process Research and Development, 2020, 24, 724-728.	1.3	24
27	Stereoselective Construction of Î³-Lactams via Copper-Catalyzed Borylacylation. Organic Letters, 2020, 22, 7915-7919.	2.4	28
28	Silver-Catalyzed Enantioselective Propargylic Câ€"H Bond Amination through Rational Ligand Design. Journal of the American Chemical Society, 2020, 142, 12930-12936.	6.6	56
29	Transition Metal Catalyzed Enantioselective C(sp²)â€"H Bond Functionalization. ACS Catalysis, 2020, 10, 13748-13793.	5.5	177
30	Photocatalytic Intramolecular Câ€"H Amination Using <i>N</i>-Oxyureas as Nitrene Precursors. Organic Letters, 2020, 22, 6360-6364.	2.4	17
31	Recent Developments in Enantioselective Transition Metal Catalysis Featuring Attractive Noncovalent Interactions between Ligand and Substrate. ACS Catalysis, 2020, 10, 10672-10714.	5.5	127
32	An efficient [3+2] annulation for the asymmetric synthesis of densely-functionalized pyrrolidinones and Î³-butenolides. Chemical Communications, 2020, 56, 11295-11298.	2.2	8
33	Site-Selective and Chemoselective Câ€"H Functionalization for the Synthesis of Spiroaminals via a Silver-Catalyzed Nitrene Transfer Reaction. ACS Catalysis, 2020, 10, 13296-13304.	5.5	16
34	Quinim: A New Ligand Scaffold Enables Nickel-Catalyzed Enantioselective Synthesis of Î±-Alkylated Î³-Lactam. Journal of the American Chemical Society, 2020, 142, 15654-15660.	6.6	88
35	Catalytic Enantioselective Functionalizations of Câ€"H Bonds by Chiral Iridium Complexes. Chemical Reviews, 2020, 120, 10516-10543.	23.0	165
36	Assembly of 3-sulfonated 2H-pyrrol-2-ones through the insertion of sulfur dioxide with allenoic amides. Chinese Chemical Letters, 2020, 31, 2996-2998.	4.8	20

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37	Reactivity and Selectivity Controlling Factors in the Pd/Dialkylbiarylphosphine-Catalyzed Câ€“C Cleavage/Cross-Coupling of an N-Fused Bicyclo Î±-Hydroxy-Î²-Lactam. Journal of the American Chemical Society, 2020, 142, 21140-21152.	6.6	20
38	Pd(II)â€Catalyzed Tandem Enantioselective Methylene C(sp³)âˆ'H Alkenylationâ€“Azaâ€Wacker Cyclization to Access Î²â€Stereogenic Î³â€Lactams. Angewandte Chemie - International Edition, 2020, 59, 14060-14064.	7.2	50
39	Pd(II)â€Catalyzed Tandem Enantioselective Methylene C(sp 3)âˆ'H Alkenylationâ€“Azaâ€Wacker Cyclization to Access Î²â€Stereogenic Î³â€Lactams. Angewandte Chemie, 2020, 132, 14164-14168.	1.6	16
40	Theoretical Mechanistic Studies of Rhâ€Catalyzed C(sp 3)â€"H Amination: A Comparison with Co Analogue and Metal Effects. Chinese Journal of Chemistry, 2020, 38, 1526-1532.	2.6	4
41	Enantioselective radical Câ€“H amination for the synthesis of Î²-amino alcohols. Nature Chemistry, 2020, 12, 697-704.	6.6	134
42	Versatile Cp*Co(III)(LX) Catalyst System for Selective Intramolecular Câ€“H Amidation Reactions. Journal of the American Chemical Society, 2020, 142, 12324-12332.	6.6	38
43	Direct Synthesis of Chiral NH Lactams via Ru-Catalyzed Asymmetric Reductive Amination/Cyclization Cascade of Keto Acids/Esters. Organic Letters, 2020, 22, 2707-2713.	2.4	35
44	Dioxazolones: Stable Substrates for the Catalytic Transfer of Acyl Nitrenes. ACS Catalysis, 2020, 10, 4751-4769.	5.5	135
45	Tuning Triplet Energy Transfer of Hydroxamates as the Nitrene Precursor for Intramolecular C(sp³)â€“H Amidation. Journal of the American Chemical Society, 2020, 142, 5811-5818.	6.6	48
46	Enantioselective Ring-Closing Câ€“H Amination of Urea Derivatives. CheM, 2020, 6, 2024-2034.	5.8	48
47	Modular Tuning of Electrophilic Reactivity of Iridium Nitrenoids for the Intermolecular Selective Î±-Amidation of Î²-Keto Esters. Journal of the American Chemical Society, 2020, 142, 11999-12004.	6.6	33
48	Synthesis of Lactams via Ir-Catalyzed Câ€“H Amidation Involving Ir-Nitrene Intermediates. Journal of Organic Chemistry, 2020, 85, 4430-4440.	1.7	17
49	Cobalt(III)â€Catalyzed Câˆ'H Amidation of Dehydroalanine for the Siteâ€Selective Structural Diversification of Thiostrepton. Angewandte Chemie, 2020, 132, 900-905.	1.6	5
50	Diverse Approaches for Enantioselective Câˆ'H Functionalization Reactions Using Groupâ€…9 Cp^xM^{III} Catalysts. Chemistry - A European Journal, 2020, 26, 7346-7357.	1.7	176
51	Enantioselective oxygenation of exocyclic methylene groups by a manganese porphyrin catalyst with a chiral recognition site. Chemical Science, 2020, 11, 2121-2129.	3.7	46
52	Ruthenium-Catalyzed Asymmetric <i>N</i>-Acyl Nitrene Transfer Reaction: Imidation of Sulfide. Organic Letters, 2020, 22, 4021-4025.	2.4	33
53	Quantitative Analysis on Two-Point Ligand Modulation of Iridium Catalysts for Chemodivergent Câ€“H Amidation. Journal of the American Chemical Society, 2020, 142, 8880-8889.	6.6	38
54	Highly Robust Iron Catalyst System for Intramolecular C(sp 3)âˆ'H Amidation Leading to Î³â€Lactams. Angewandte Chemie, 2021, 133, 2945-2950.	1.6	8

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55	Highly Robust Iron Catalyst System for Intramolecular C(sp³)âˆ'H Amidation Leading to Î³â€Lactams. Angewandte Chemie - International Edition, 2021, 60, 2909-2914.	7.2	68
56	BrÃ¸nsted Baseâ€Catalyzed Formal Reductive [3+2] Annulation of 4,4,4â€Trifluorocrotonate and Î±â€Iminoketones. Chemistry - A European Journal, 2021, 27, 585-588.	1.7	8
57	Cp^{<i>x</i>}M(<scp>iii</scp>)-catalyzed enantioselective Câ€"H functionalization through migratory insertion of metalâ€"carbenes/nitrenes. Organic and Biomolecular Chemistry, 2021, 19, 7264-7275.	1.5	26
58	Enantioselective Synthesis of Diaryl Sulfoxides Enabled by Molecular Recognition. Organic Letters, 2021, 23, 1829-1834.	2.4	11
59	Nitrene-mediated intermolecular Nâ€"N coupling for efficient synthesis of hydrazides. Nature Chemistry, 2021, 13, 378-385.	6.6	65
60	Cobalt-Catalyzed Intermolecular Câ€"H Amidation of Unactivated Alkanes. Journal of the American Chemical Society, 2021, 143, 5191-5200.	6.6	50
61	Tuning Orbital Symmetry of Iridium Nitrenoid Enables Catalytic Diastereo- and Enantioselective Alkene Difunctionalizations. Journal of the American Chemical Society, 2021, 143, 3993-4004.	6.6	45
62	Photoredox-Catalyzed Î±-Aminomethyl Carboxylation of Styrenes with Sodium Glycinates: Synthesis of Î³-Amino Acids and Î³-Lactams. Organic Letters, 2021, 23, 2895-2899.	2.4	29
63	Asymmetric Synthesis of Î³-Lactams Containing Î±,Î²-Contiguous Stereocenters via Pd(II)-Catalyzed Cascade Methylene C(sp³)â€"H Alkenylation/Aza-Wacker Cyclization. Organic Letters, 2021, 23, 2048-2051.	2.4	23
64	Desymmetrisierung von prochiralen Cyclobutanonen via Stickstoffinsertion: Ein einfacher Zugang zu chiralen Î³â€Lactamen. Angewandte Chemie, 2021, 133, 9805-9810.	1.6	5
65	Cu-Catalyzed Direct Câ€"H Alkylation of Polyfluoroarenes via Remote C(sp³)â€"H Functionalization in Carboxamides. Organic Letters, 2021, 23, 2693-2698.	2.4	20
66	Desymmetrization of Prochiral Cyclobutanones via Nitrogen Insertion: A Concise Route to Chiral Î³â€Lactams. Angewandte Chemie - International Edition, 2021, 60, 9719-9723.	7.2	26
67	Enantioselective Mixed Matrix Membranes for Chiral Resolution. Membranes, 2021, 11, 279.	1.4	20
68	Enantioselective Access to Spirolactams via Nitrenoid Transfer Enabled by Enhanced Noncovalent Interactions. Journal of the American Chemical Society, 2021, 143, 6363-6369.	6.6	43
69	Enantioselective Hydroesterificative Cyclization of 1,6-Enynes to Chiral Î³-Lactams Bearing a Quaternary Carbon Stereocenter. Organic Letters, 2021, 23, 3561-3566.	2.4	16
70	Enantioselective Catalytic C-H Amidations: An Highlight. Catalysts, 2021, 11, 471.	1.6	12
71	Interweaving Visibleâ€Light and Iron Catalysis for Nitrene Formation and Transformation with Dioxazolones. Angewandte Chemie, 2021, 133, 16562-16571.	1.6	5
72	Ru^Vâ€Acylimido Intermediate in [Ru^{IV}(Por)Cl₂]â€Catalyzed Câ€"N Bond Formation: Spectroscopic Characterization, Reactivity, and Catalytic Reactions. Angewandte Chemie - International Edition, 2021, 60, 18619-18629.	7.2	11

#	Article	IF	Citations
73	Synthesis, Electronic Structure, and Reactivity of a Planar Fourâ€Coordinate, Cobaltâ€“Imido Complex. Angewandte Chemie, 2021, 133, 14497-14501.	1.6	7
74	Synthesis, Electronic Structure, and Reactivity of a Planar Fourâ€Coordinate, Cobaltâ€“Imido Complex. Angewandte Chemie - International Edition, 2021, 60, 14376-14380.	7.2	31
75	Mechanism-Guided Development of Transition-Metal-Catalyzed Câ€“N Bond-Forming Reactions Using Dioxazolones as the Versatile Amidating Source. Accounts of Chemical Research, 2021, 54, 2683-2700.	7.6	123
76	Ru V â€Acylimido Intermediate in [Ru IV (Por)Cl 2]â€Catalyzed Câ€“N Bond Formation: Spectroscopic Characterization, Reactivity, and Catalytic Reactions. Angewandte Chemie, 2021, 133, 18767-18777.	1.6	1
77	Interweaving Visibleâ€Light and Iron Catalysis for Nitrene Formation and Transformation with Dioxazolones. Angewandte Chemie - International Edition, 2021, 60, 16426-16435.	7.2	67
78	Nitrene transfer catalysts for enantioselective Câ€“N bond formation. Nature Reviews Chemistry, 2021, 5, 580-594.	13.8	107
79	Câ€“H activation. Nature Reviews Methods Primers, 2021, 1, .	11.8	277
80	Iridium(III)-Catalyzed Direct Intermolecular Chemoselective Î±-Amidation of Masked Aliphatic Carboxylic Acids with Dioxazolones via Nitrene Transfer. ACS Catalysis, 2021, 11, 7126-7131.	5.5	17
81	Reusable Manganese Catalyst for Siteâ€Selective Pyridine Câˆ’H Arylations and Alkylations. Chemistry - A European Journal, 2021, 27, 12737-12741.	1.7	13
82	Copper catalyzed borylative cyclization of 3-arylallyl carbamoyl chloride with B2pin2: stereoselective synthesis of cis-2-aryl-3-boryl-Î³-lactams. Chinese Chemical Letters, 2021, 32, 2297-2300.	4.8	3
83	Terminal Imido Complexes of the Groups 9â€“11: Electronic Structure and Developments in the Last Decade. European Journal of Inorganic Chemistry, 2021, 2021, 4147-4166.	1.0	29
84	Synthesis of Î±-Amino Acid Derivatives through the Iridium-catalyzed Î±-C-H Amidation of 2-Acylimidazoles with Dioxazolones under Continuous-flow. Chemistry Letters, 2021, 50, 1722-1724.	0.7	1
85	Biocatalytic, Intermolecular Câ€H Bond Functionalization for the Synthesis of Enantioenriched Amides. Angewandte Chemie, 0, , .	1.6	2
86	Biocatalytic, Intermolecular Câˆ’H Bond Functionalization for the Synthesis of Enantioenriched Amides. Angewandte Chemie - International Edition, 2021, 60, 24864-24869.	7.2	39
87	Theoretical investigation of the effect of hydrogen bonding on the stereoselectivity of the Dielsâ€“Alder reaction. New Journal of Chemistry, 2021, 45, 16760-16772.	1.4	3
88	Oneâ€Pot Process to Carboranoâ€Coumarin <i>via</i> Catalytic CascadeDehydrogenative Crossâ€Coupling. Chinese Journal of Chemistry, 2020, 38, 383-388.	2.6	36
89	Asymmetric Synthesis of <i>N</i>â€Substituted Î³â€Amino Esters and Î³â€Lactams Containing Î±,Î³â€Stereogenic Centers via a Stereoselective Enzymatic Cascade. Advanced Synthesis and Catalysis, 2022, 364, 372-379.	2.1	10
92	Ligand-Enabled, Copper-Catalyzed Electrophilic Amination for the Asymmetric Synthesis of Î²-Amino Acids. Organic Letters, 2021, 23, 8617-8621.	2.4	10

#	Article	IF	Citations
93	Cobaltâ€“Nitrenoid Insertion-Mediated Amidative Carbon Rearrangement via Alkyl-Walking on Arenes. Journal of the American Chemical Society, 2021, 143, 18406-18412.	6.6	16
94	Auxiliaryâ€Free Remote Dearomatizative Nitrenoid Transfer for Enantioselective Construction of Spirolactams. Advanced Synthesis and Catalysis, 2022, 364, 314.	2.1	4
95	Iridium-Catalyzed Amidation of <i>In Situ</i> Prepared Silyl Ketene Acetals to Access Î±-Amino Esters. Organic Letters, 2022, 24, 1088-1093.	2.4	9
96	An Enzymatic Platform for Primary Amination of 1-Aryl-2-alkyl Alkynes. Journal of the American Chemical Society, 2022, 144, 80-85.	6.6	41
97	Ni-Catalyzed Remote Radical/Cross-Electrophile Coupling Cascade for Selective C(sp³)â€“H Arylation. Organic Letters, 2022, 24, 2399-2403.	2.4	11
98	Stereocontrolled 1,3-nitrogen migration to access chiral Î±-amino acids. Nature Chemistry, 2022, 14, 566-573.	6.6	43
99	Hydrogen vs. halogen bonding in crystals of 2,5-dibromothiophene-3-carboxylic acid derivatives. Journal of Molecular Structure, 2022, 1260, 132785.	1.8	2
100	Câ€“H activation: A strategic approach toward lactams using transition metals. Chem Catalysis, 2022, 2, 1046-1083.	2.9	7
101	Câ€“N Bond Forming Radical Rebound Is the Enantioselectivity-Determining Step in P411-Catalyzed Enantioselective C(sp³)â€“H Amination: A Combined Computational and Experimental Investigation. Journal of the American Chemical Society, 2022, 144, 11215-11225.	6.6	15
102	Catalytic Enantioselective Synthesis of Î³-Lactams with Î²-Quaternary Centers via Merging of Câ€“C Activation and Sulfonyl Radical Migration. Journal of the American Chemical Society, 2022, 144, 9222-9228.	6.6	16
103	<i>Endo</i>-Selective Intramolecular Alkyne Hydroamidation Enabled by NiH Catalysis Incorporating Alkenylnickel Isomerization. Journal of the American Chemical Society, 2022, 144, 10064-10074.	6.6	31
104	Carboxylic acid reductases enable intramolecular lactamization reactions. Green Synthesis and Catalysis, 2022, 3, 294-297.	3.7	10
106	Wellâ€Defined [Cp*Co(N,O)I]â€Catalysts for Siteâ€Selective Intramolecular Câ^'H Amidation. Advanced Synthesis and Catalysis, 2022, 364, 2642-2647.	2.1	4
107	Multidimensional Screening Accelerates the Discovery of Rhodium Catalyst Systems for Selective Intra- and Intermolecular Câ€“H Amidations. ACS Catalysis, 2022, 12, 8127-8138.	5.5	10
108	Ir(III)-Catalyzed Asymmetric Câ€“H Activation/Annulation of Sulfoximines Assisted by the Hydrogen-Bonding Interaction. ACS Catalysis, 2022, 12, 9083-9091.	5.5	22
109	Transition Metal-Catalyzed Regioselective Direct Câ€“H Amidation: Interplay between Inner- and Outer-Sphere Pathways for Nitrene Cross-Coupling Reactions. Accounts of Chemical Research, 2022, 55, 2123-2137.	7.6	19
110	Enantioselective and Diastereodivergent Allylation of Propargylic Câ€“H Bonds. Journal of the American Chemical Society, 2022, 144, 15480-15487.	6.6	10
111	Rapid construction of Î³-lactam containing 3,3-disubstituted oxindoles <i>via</i> a silver-catalyzed cascade radical bicyclization reaction. Organic Chemistry Frontiers, 2022, 9, 5929-5934.	2.3	3

#	Article	IF	Citations
114	Nickelâ€Catalyzed Siteâ€Selective Intermolecular C(sp³)âˆ’H Amidation. Angewandte Chemie, 2022, 134, .	1.6	3
115	Ni-catalyzed carbamoylation of unactivated alkenes for stereoselective construction of six-membered lactams. Nature Communications, 2022, 13, .	5.8	15
116	Nickelâ€Catalyzed Siteâ€Selective Intermolecular C(sp³)âˆ’H Amidation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	14
117	Visible-Light-Promoted Xanthate-Transfer Cyclization Reactions of Unactivated Olefins under Photocatalyst- and Additive-Free Conditions. Journal of Organic Chemistry, 2022, 87, 15582-15597.	1.7	7
118	Multicomponent coupling and macrocyclization enabled by Rh(III)-catalyzed dual Câ€“H activation: Macrocyclic oxime inhibitor of influenza H1N1. CheM, 2023, 9, 607-623.	5.8	8
119	Versatile Utility of Cp*Co(III) Catalysts in Câ€“H Amination under Inner- and Outer-Sphere Pathway. Synlett, 2023, 34, 1356-1366.	1.0	2
120	N-Heterocyclic Carbene/BrÃ¸nsted Acid Cooperatively Catalyzed Conversions of Î±, Î²-Unsaturated Carbonyls: Hydrogen Bond Donor/Acceptor-Electrophile/Nucleophile Combination Models. ACS Catalysis, 2023, 13, 612-623.	5.5	9
121	The Indenyl Effect: Accelerated Câˆ’H Amidation of Arenes via Ind*Rh^{III} Nitrene Transfer Catalysis**. Angewandte Chemie - International Edition, 2023, 62, .	7.2	8
122	The Indenyl Effect: Accelerated Câ€H Amidation of Arenes via Ind*Rh(III) Nitrene Transfer Catalysis. Angewandte Chemie, 0, , .	1.6	0
123	Asymmetric synthesis of a novel â€œdual-matrixâ€•mixed matrix membrane (MMM) and its food applications. Food Packaging and Shelf Life, 2023, 37, 101071.	3.3	1
124	Octahedral Ironâ€Acylâ€Nitrenoid Intermediates in Sulphur âˆ’Nitrogen Coupling and Hydrogen Atom Transfer Reactions. ChemCatChem, 2023, 15, .	1.8	0
125	Metal Stereogenicity in Asymmetric Transition Metal Catalysis. Chemical Reviews, 2023, 123, 4764-4794.	23.0	29
126	An Overview of N-Heterocycle Syntheses Involving Nitrene Transfer Reactions. Topics in Heterocyclic Chemistry, 2023, , 313-377.	0.2	1
131	Enantioselective Total Synthesis of the <i>Cephalotaxus</i> Alkaloid (âˆ’)-Cephalotine A. Organic Letters, 2023, 25, 7459-7463.	2.4	3
132	Visible-light-induced iron-catalyzed Sâ€“N cross-coupling of thiols with dioxazolones. Green Chemistry, 2023, 25, 7529-7533.	4.6	3
139	Catalytic, asymmetric carbonâ€“nitrogen bond formation using metal nitrenoids: from metalâ€“ligand complexes <i>via</i> metalloporphyrins to enzymes. Chemical Science, 2023, 14, 12447-12476.	3.7	2
141	Oxidation: Câ€“N Bond Formation by Câ€“H Activation. , 2023, , .		0