

Enantioselective Carbonyl 1,2- or 1,4-Addition Reactions of Compounds Catalyzed by the Chiral Oxazaborolidinium

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Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Enantioselective Strecker and Allylation Reactions with Aldimines Catalyzed by Chiral Oxazaborolidinium Ions. <i>Organic Letters</i> , 2019, 21, 6679-6683. | 2.4 | 14 |
| 2 | Asymmetric Synthesis of Oxa ϵ -Bridged Oxazocines through a Catalytic Rh ^{II} /Zn ^{II} Relay [4+3] Cycloaddition Reaction. <i>Angewandte Chemie</i> , 2019, 131, 18609-18613. | 1.6 | 5 |
| 3 | Asymmetric Synthesis of Oxa ϵ -Bridged Oxazocines through a Catalytic Rh ^{II} /Zn ^{II} Relay [4+3] Cycloaddition Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18438-18442. | 7.2 | 34 |
| 4 | Chiral Br \ddot{A} nsted Acid from Chiral Phosphoric Acid Boron Complex and Water: Asymmetric Reduction of Indoles. <i>Angewandte Chemie</i> , 2020, 132, 3320-3325. | 1.6 | 8 |
| 5 | Chiral Br \ddot{A} nsted Acid from Chiral Phosphoric Acid Boron Complex and Water: Asymmetric Reduction of Indoles. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3294-3299. | 7.2 | 37 |
| 6 | A one-pot three-component strategy for highly diastereoselective synthesis of spirocycloalkane fused pyrazolo[3,4- <i>b</i>]pyridine derivatives using recyclable solid acid as a catalyst. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2456-2466. | 2.3 | 14 |
| 7 | Enantioselective 1,2-Addition of \hat{I} -Aminoalkyl Radical to Aldehydes via Visible-Light Photoredox Initiated Chiral Oxazaborolidinium Ion Catalysis. <i>ACS Catalysis</i> , 2020, 10, 10585-10591. | 5.5 | 24 |
| 8 | An efficient domino strategy for synthesis of novel spirocycloalkane fused pyrazolo[3,4- <i>b</i>]pyridine derivatives. <i>Tetrahedron</i> , 2020, 76, 131727. | 1.0 | 8 |
| 9 | Chiral 1,3,2-Oxazaborolidine Catalysts for Enantioselective Photochemical Reactions. <i>Accounts of Chemical Research</i> , 2020, 53, 1933-1943. | 7.6 | 49 |
| 10 | Chiral Primary Amine-Catalyzed Divergent Coupling of \hat{I} -Substituted Acrylaldehydes with \hat{I} -Diazoesters. <i>ACS Catalysis</i> , 2020, 10, 10989-10998. | 5.5 | 13 |
| 11 | Tris(pentafluorophenyl)borane-Catalyzed Cyclopropanation of Styrenes with Aryldiazoacetates. <i>ACS Catalysis</i> , 2020, 10, 11171-11176. | 5.5 | 46 |
| 12 | Transient-axial-chirality controlled asymmetric rhodium-carbene C(sp ²)-H functionalization for the synthesis of chiral fluorenes. <i>Nature Communications</i> , 2020, 11, 2363. | 5.8 | 43 |
| 13 | Palladium-catalyzed regioselective synthesis of B(4,5)- or B(4)-substituted o-carboranes containing \hat{I} , \hat{I} '-unsaturated carbonyls. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4723-4727. | 1.5 | 13 |
| 14 | Highly Enantioselective Allylation Reactions of Aldehydes with Allyltrimethylsilane Catalyzed by a Chiral Oxazaborolidinium Ion. <i>Organic Letters</i> , 2020, 22, 5198-5201. | 2.4 | 5 |
| 15 | Enantioselective synthesis of chiral \hat{I} -alkynylated thiazolidones by tandem S-addition/acetalization of alkynyl imines. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3117-3124. | 1.5 | 8 |
| 16 | 3 \hat{A} -(Methoxycarbonyl)Cyclobutenone as a Reactive Dienophile in Enantioselective Diels \hat{A} -Alder Reactions Catalyzed by Chiral Oxazaborolidinium Ions. <i>Angewandte Chemie</i> , 2021, 133, 4659-4663. | 1.6 | 2 |
| 17 | 3 \hat{A} -(Methoxycarbonyl)Cyclobutenone as a Reactive Dienophile in Enantioselective Diels \hat{A} -Alder Reactions Catalyzed by Chiral Oxazaborolidinium Ions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4609-4613. | 7.2 | 20 |
| 18 | Enantioselective Cyclopropanation/[1,5]-Hydrogen Shift to Access Rauhut \hat{A} -Currier Product. <i>Organic Letters</i> , 2021, 23, 213-217. | 2.4 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Tropylium-Catalyzed O-H Insertion Reactions of Diazoalkanes with Carboxylic Acids. <i>Organic Letters</i> , 2021, 23, 548-553. | 2.4 | 35 |
| 20 | Asymmetric Synthesis of (â)â€”Dictyopterene C' and its Derivatives via Catalytic Enantioselective Cyclopropanation. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 675-678. | 1.0 | 7 |
| 21 | Enantioselective Acyloin Rearrangement of Acyclic Aldehydes Catalyzed by Chiral Oxazaborolidinium Ion. <i>Organic Letters</i> , 2021, 23, 1516-1520. | 2.4 | 6 |
| 22 | Diverse Reactions of Vinyl Diazo Compounds with Quinone Oxonium Ions, Quinone Imine Ketals, and Eschenmoserâ€™s Salt. <i>ACS Catalysis</i> , 2021, 11, 9869-9874. | 5.5 | 14 |
| 23 | Oxathiaborolium-Catalyzed Enantioselective [4 + 2] Cycloaddition and Its Application in Lewis Acid Coordinated and Chiral Lewis Acid Catalyzed [4 + 2] Cycloaddition. <i>Organic Letters</i> , 2021, 23, 6760-6764. | 2.4 | 7 |
| 24 | Catalytic Asymmetric Darzensâ€”Type Epoxidation of Diazoesters: Highly Enantioselective Synthesis of Trisubstituted Epoxides. <i>Angewandte Chemie</i> , 2021, 133, 22410-22414. | 1.6 | 0 |
| 25 | Catalytic Asymmetric Darzensâ€”Type Epoxidation of Diazoesters: Highly Enantioselective Synthesis of Trisubstituted Epoxides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22236-22240. | 7.2 | 11 |
| 26 | Ternary Electron Donorâ€”Acceptor Complex Enabled Enantioselective Radical Additions to Î±,Î²-Unsaturated Carbonyl Compounds. <i>ACS Catalysis</i> , 2021, 11, 14811-14818. | 5.5 | 14 |
| 27 | Asymmetric Catalytic Rearrangements with Î±-Diazo-carbonyl Compounds. <i>Accounts of Chemical Research</i> , 2022, 55, 415-428. | 7.6 | 116 |
| 28 | The literature of heterocyclic chemistry, Part XIX, 2019. <i>Advances in Heterocyclic Chemistry</i> , 2022, , 225-295. | 0.9 | 6 |
| 29 | Recent advances in borenium catalysis. <i>Chemical Society Reviews</i> , 2022, 51, 2583-2600. | 18.7 | 25 |
| 30 | Visible-Light-Induced Catalysis: A Regioselectivity Switch between [2+1] and [2+2] Cycloaddition of Diazo-carbonyls with Olefins. <i>Synthesis</i> , 0, , . | 1.2 | 0 |
| 31 | Robust Analytical Methods for Monitoring the Formation of a Chiral Oxazaborolidine Catalyst. <i>Organic Process Research and Development</i> , 2022, 26, 1336-1340. | 1.3 | 2 |
| 32 | Highly Enantioselective Synthesis of [1,2,4]Triazino[5,4- <i>a</i>]isoquinoline Derivatives via (3 + 3) Cycloaddition Reactions of Diazo Compounds and Isoquinolinium Methylides. <i>Organic Letters</i> , 2022, 24, 3766-3771. | 2.4 | 7 |
| 33 | Visible-light-driven PhSSPh-catalysed regioselective hydroborylation of Î±,Î²-unsaturated carbonyl compounds with NHC-boranes. <i>Chemical Communications</i> , 2022, 58, 8380-8383. | 2.2 | 15 |
| 34 | Visible Light-Mediated Enantioselective Addition of Î±-Aminoalkyl Radicals to Ketones Catalyzed by Chiral Oxazaborolidinium Ion. <i>Journal of Organic Chemistry</i> , 2022, 87, 11196-11203. | 1.7 | 7 |
| 35 | Chiral Lewis acid catalysis in a visible light-triggered cycloaddition/rearrangement cascade. <i>Chemical Science</i> , 2022, 13, 11856-11862. | 3.7 | 5 |
| 36 | Stereoselective synthesis of trisubstituted epoxides <i>via</i> cobalt catalysis. <i>Organic Chemistry Frontiers</i> , 2022, 9, 4932-4936. | 2.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Olefin Difunctionalization With the Same Atoms; Cyclopropanation of Olefins. , 2022, , . | | 0 |
| 38 | Oxathiaborolium-catalyzed enantioselective [2 + 2] cycloadditions. Organic and Biomolecular Chemistry, 2022, 20, 8405-8409. | 1.5 | 1 |
| 39 | Enantioselective Construction of Vicinal Angular Quaternary Stereocenters Enabled by Strained Cyclobutenones. ACS Catalysis, 2022, 12, 15416-15423. | 5.5 | 8 |
| 41 | Chiral-boron-Lewis-acid-catalysed desymmetric ring expansion of 4-substituted cyclohexanones with $\hat{\iota}$ -diazomethylphosphonates. Organic Chemistry Frontiers, 2023, 10, 1564-1569. | 2.3 | 3 |
| 42 | Enantiodivergent Photochemical Rearrangements Due to Different Coordination Modes at an Oxazaborolidine Lewis Acid Catalyst. ACS Catalysis, 0, , 5896-5905. | 5.5 | 0 |