# Karl Anker JÃ¸rgensen

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 169 papers | 17,049 citations | 20817 60 h-index | 14759 127 g-index |
| 187 all docs | 187 docs citations | 187 times ranked | 8660 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Asymmetric 1,3-Dipolar Cycloaddition Reactions. Chemical Reviews, 1998, 98, 863-910. | 47.7 | 1,822 |
| 2 | Organocatalysisâ€"after the gold rush. Chemical Society Reviews, 2009, 38, 2178. | 38.1 | 1,205 |
| 3 | Enantioselective Organocatalyzed Î± Sulfenylation of Aldehydes. Angewandte Chemie - International Edition, 2005, 44, 794-797. | 13.8 | 893 |
| 4 | The Diarylprolinol Silyl Ether System: A General Organocatalyst. Accounts of Chemical Research, 2012, 45, 248-264. | 15.6 | 667 |
| 5 | A General Organocatalyst for Direct Î±-Functionalization of Aldehydes:â€‰ Stereoselective Câ^'C, Câ^'N, Câ^'F, Câ^'Br, and Câ^'S Bond-Forming Reactions. Scope and Mechanistic Insights. Journal of the American Chemical Society, 2005, 127, 18296-18304. | 13.7 | 618 |
| 6 | Asymmetric Organocatalytic Epoxidation of Î±,Î²-Unsaturated Aldehydes with Hydrogen Peroxide. Journal of the American Chemical Society, 2005, 127, 6964-6965. | 13.7 | 441 |
| 7 | A Simple Recipe for Sophisticated Cocktails: Organocatalytic Oneâ€Pot Reactionsâ€"Concept, Nomenclature, and Future Perspectives. Angewandte Chemie - International Edition, 2011, 50, 8492-8509. | 13.8 | 437 |
| 8 | Dienamine Catalysis:Â Organocatalytic Asymmetric Î³-Amination of Î±,Î²-Unsaturated Aldehydes. Journal of the American Chemical Society, 2006, 128, 12973-12980. | 13.7 | 380 |
| 9 | Enantioselective Organocatalyzed Î± Sulfenylation of Aldehydes. Angewandte Chemie, 2005, 117, 804-807. | 2.0 | 367 |
| 10 | Trienamines in Asymmetric Organocatalysis: Dielsâ^'Alder and Tandem Reactions. Journal of the American Chemical Society, 2011, 133, 5053-5061. | 13.7 | 357 |
| 11 | Organocatalytic direct asymmetric Î±-heteroatom functionalization of aldehydes and ketones. Chemical Communications, 2006, , 2001-2011. | 4.1 | 342 |
| 12 | Direct Organocatalytic Asymmetric Î±-Chlorination of Aldehydes. Journal of the American Chemical Society, 2004, 126, 4790-4791. | 13.7 | 318 |
| 13 | Organocatalytic Conjugate Addition of Malonates to Î±,Î²-Unsaturated Aldehydes: Asymmetric Formal Synthesis of (â^')-Paroxetine, Chiral Lactams, and Lactones. Angewandte Chemie - International Edition, 2006, 45, 4305-4309. | 13.8 | 312 |
| 14 | Mechanisms in aminocatalysis. Chemical Communications, 2011, 47, 632-649. | 4.1 | 284 |
| 15 | Catalytic enantioselective 1,3-dipolar cycloaddition reactions of nitrones. Chemical Communications, 2000, , 1449-1458. | 4.1 | 272 |
| 16 | The Diarylprolinol Silyl Ethers: Ten Years After. Angewandte Chemie - International Edition, 2015, 54, 13860-13874. | 13.8 | 267 |
| 17 | Aminocatalytic remote functionalization strategies. Chemical Science, 2013, 4, 2287. | 7.4 | 236 |
| 18 | Catalytic Asymmetric Direct Mannich Reactions of Carbonyl Compounds withÎ±-Imino Esters. Angewandte Chemie - International Edition, 2001, 40, 2995-2997. | 13.8 | 227 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Catalytic Enantioselective Friedelâ"Crafts Reactions of Aromatic Compounds with Glyoxylate:Â A Simple Procedure for the Synthesis of Optically Active Aromatic Mandelic Acid Esters. Journal of the American Chemical Society, 2000, 122, 12517-12522. | 13.7 | 191 |
| 20 | Catalytic Enantioselective Addition of Nitro Compounds to Iminesâ€"A Simple Approach for the Synthesis of Optically Activeî²-Nitro-î±-Amino Esters. Angewandte Chemie - International Edition, 2001, 40, 2992-2995. | 13.8 | 187 |
| 21 | Direct Enantioselective Michael Addition of Aldehydes to Vinyl Ketones Catalyzed by Chiral Amines. Journal of Organic Chemistry, 2003, 68, 4151-4157. | 3.2 | 186 |
| 22 | Asymmetric cycloaddition reactions catalysed by diarylprolinol silyl ethers. Chemical Society Reviews, 2017, 46, 1080-1102. | 38.1 | 185 |
| 23 | Catalyhtic asymmetric Henry reactions--a simple approach to optically active beta-nitro alpha-hydroxy esters. Chemical Communications, 2001, , 2222-2223. | 4.1 | 171 |
| 24 | A Novel Catalytic and Highly Enantioselective Approach for the Synthesis of Optically Active Carbohydrate Derivatives. Journal of Organic Chemistry, 2000, 65, 4487-4497. | 3.2 | 166 |
| 25 | Asymmetric Î³â€Allylation of Î±,Î²â€Unsaturated Aldehydes by Combined Organocatalysis and Transitionâ€Metal Catalysis. Angewandte Chemie - International Edition, 2015, 54, 10193-10197. | 13.8 | 159 |
| 26 | Control of Diastereo- and Enantioselectivity in Metal-Catalyzed 1,3-Dipolar Cycloaddition Reactions of Nitrones with Alkenes. Experimental and Theoretical Investigations. Journal of Organic Chemistry, 1996, 61, 346-355. | 3.2 | 152 |
| 27 | A Highly Diastereoselective and Enantioselective Ti(OTos)2â"TADDOLate-Catalyzed 1,3-Dipolar Cycloaddition Reaction of Alkenes with Nitrones. Journal of the American Chemical Society, 1996, 118, 59-64. | 13.7 | 145 |
| 28 | Cu(i)-carbenoid- and Ag(i)-Lewis acid-catalyzed asymmetric intermolecular insertion of î±-diazo compounds into Nâ€"H bonds. Organic and Biomolecular Chemistry, 2004, 2, 3044-3049. | 2.8 | 142 |
| 29 | A chiral molecular recognition approach to the formation of optically active quaternary centres in aza-Henry reactions. Organic and Biomolecular Chemistry, 2005, 3, 1362-1364. | 2.8 | 138 |
| 30 | Highly Enantioselective Catalytic Hetero-Diels-Alder Reaction with Inverse Electron Demand. Angewandte Chemie - International Edition, 1998, 37, 2404-2406. | 13.8 | 133 |
| 31 | Catalytic Enantioselective Aza Diels-Alder Reactions of Imino Dienophiles. Angewandte Chemie - International Edition, 1998, 37, 3121-3124. | 13.8 | 132 |
| 32 | Decarboxylative [4+2] Cycloaddition by Synergistic Palladium and Organocatalysis. Angewandte Chemie - International Edition, 2016, 55, 15272-15276. | 13.8 | 125 |
| 33 | Catalytic enantioselective alkylation of heteroaromatic compounds using alkylidene malonates. Chemical Communications, 2001, , 347-348. | 4.1 | 122 |
| 34 | Asymmetric Organocatalytic Epoxidations: Reactions, Scope, Mechanisms, and Applications. Angewandte Chemie - International Edition, 2014, 53, 7406-7426. | 13.8 | 119 |
| 35 | Hydrogenâ€Bonding in Aminocatalysis: From Proline and Beyond. Chemistry - A European Journal, 2014, 20, 358-368. | 3.3 | 113 |
| 36 | Organocatalytic Enamine-Activation of Cyclopropanes for Highly Stereoselective Formation of Cyclobutanes. Journal of the American Chemical Society, 2015, 137, 1685-1691. | 13.7 | 111 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Organocatalytic Enantioselective Nucleophilic Vinylic Substitution. Angewandte Chemie - International Edition, 2006, 45, 6551-6554. | 13.8 | 110 |
| 38 | Prevalence of Diarylprolinol Silyl Ethers as Catalysts in Total Synthesis and Patents. Chemical Reviews, 2019, 119, 4221-4260. | 47.7 | 110 |
| 39 | Organocatalytic stereoselective [8+2] and [6+4] cycloadditions. Nature Chemistry, 2017, 9, 487-492. | 13.6 | 99 |
| 40 | Title is missing!. Angewandte Chemie, 2003, 115, 685-689. | 2.0 | 98 |
| 41 | Enantioselective Formal [4+2] Cycloadditions to 3â€Nitroindoles by Trienamine Catalysis: Synthesis of Chiral Dihydrocarbazoles. Angewandte Chemie - International Edition, 2016, 55, 1020-1024. | 13.8 | 94 |
| 42 | Organocatalytic Asymmetric 1,6â€Addition/1,4â€Addition Sequence to 2,4â€Dienals for the Synthesis of Chiral Chromans. Angewandte Chemie - International Edition, 2015, 54, 8203-8207. | 13.8 | 92 |
| 43 | Catalytic enantioselective addition of aromatic amines to enones: synthesis of optically active Î²-amino acid derivatives. Chemical Communications, 2001, , 1240-1241. | 4.1 | 91 |
| 44 | Asymmetric [3 + 2] Cycloaddition of Vinylcyclopropanes and Î±,Î²-Unsaturated Aldehydes by Synergistic Palladium and Organocatalysis. Organic Letters, 2016, 18, 2220-2223. | 4.6 | 91 |
| 45 | Asymmetric Organocatalytic Thio-Dielsâ€“Alder Reactions via Trienamine Catalysis. Journal of the American Chemical Society, 2013, 135, 5200-5207. | 13.7 | 84 |
| 46 | Expanding the Frontiers of Higher-Order Cycloadditions. Accounts of Chemical Research, 2019, 52, 3488-3501. | 15.6 | 83 |
| 47 | Asymmetric Trienamine Catalysis for the Construction of Structurally Rigid Cyclic Î±,Î±â€Disubstituted Amino Acid Derivatives. Chemistry - A European Journal, 2011, 17, 9032-9036. | 3.3 | 82 |
| 48 | On the Origin of the Stereoselectivity in Organocatalysed Reactions with Trimethylsilylâ€Protected Diarylprolinol. Chemistry - A European Journal, 2008, 14, 122-127. | 3.3 | 80 |
| 49 | Enantioselective Formal [4+2] Cycloadditions to 3â€Nitroindoles by Trienamine Catalysis: Synthesis of Chiral Dihydrocarbazoles. Angewandte Chemie, 2016, 128, 1032-1036. | 2.0 | 80 |
| 50 | Organocatalytic Asymmetric Desymmetrizationâ€“Fragmentation of Cyclic Ketones. Angewandte Chemie - International Edition, 2009, 48, 6650-6653. | 13.8 | 77 |
| 51 | Mechanistic Investigation of the 2,5-Diphenylpyrrolidine-Catalyzed Enantioselective Î±-Chlorination of Aldehydes. Chemistry - A European Journal, 2005, 11, 7083-7090. | 3.3 | 76 |
| 52 | Catalytic asymmetric homo-aldol reaction of pyruvateâ€”a chiral Lewis acid catalyst that mimics aldolase enzymes. Chemical Communications, 2000, , 2211-2212. | 4.1 | 67 |
| 53 | Organocatalytic Asymmetric Formation of Steroids. Angewandte Chemie - International Edition, 2014, 53, 4137-4141. | 13.8 | 67 |
| 54 | Organocatalytic [4+2] addition reactions via tetraenamine intermediate. Chemical Science, 2014, 5, 2052. | 7.4 | 64 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Organocatalytic Formation of Chiral Trisubstituted Allenes and Chiral Furan Derivatives. Angewandte Chemie - International Edition, 2018, 57, 10661-10665. | 13.8 | 62 |
| 56 | Catalytic, Highly Enantioselective, Direct Amination of Î²-Ketoesters. Angewandte Chemie, 2003, 115, 1405-1407. | 2.0 | 61 |
| 57 | Synergistic Diastereoâ€•and Enantioselective Functionalization of Unactivated Alkyl Quinolines with Î±,Î²â€Unsaturated Aldehydes. Angewandte Chemie - International Edition, 2017, 56, 1634-1638. | 13.8 | 61 |
| 58 | Cycloaddition Reactions: Why Is It So Challenging To Move from Six to Ten Electrons?. Angewandte Chemie - International Edition, 2017, 56, 10033-10038. | 13.8 | 59 |
| 59 | Directing the Activation of Donorâ€“Acceptor Cyclopropanes Towards Stereoselective 1,3â€Dipolar Cycloaddition Reactions by BrÃ¸nsted Base Catalysis. Angewandte Chemie - International Edition, 2017, 56, 11831-11835. | 13.8 | 58 |
| 60 | Asymmetric organocatalytic [3 + 2]-annulation strategy for the synthesis of N-fused heteroaromatic compounds. Chemical Science, 2011, 2, 1273. | 7.4 | 56 |
| 61 | Catalytic Enantioselective Hetero-[6+4] and -[6+2] Cycloadditions for the Construction of Condensed Polycyclic Pyrroles, Imidazoles, and Pyrazoles. Journal of the American Chemical Society, 2019, 141, 3288-3297. | 13.7 | 51 |
| 62 | Synthesis of optically active amino sugar derivatives using catalytic enantioselective hetero-Dielsâ€“Alder reactions. Chemical Communications, 2000, , 459-460. | 4.1 | 50 |
| 63 | Computational Approach to Diarylprolinol-Silyl Ethers in Aminocatalysis. Accounts of Chemical Research, 2016, 49, 974-986. | 15.6 | 50 |
| 64 | Controlling Asymmetric Remote and Cascade 1,3-Dipolar Cycloaddition Reactions by Organocatalysis. Journal of the American Chemical Society, 2016, 138, 6412-6415. | 13.7 | 50 |
| 65 | Organocatalytic Asymmetric Synthesis of 5-(Trialkylsilyl)cyclohex-2-enones and the Transformation into Useful Building Blocks. Organic Letters, 2008, 10, 3753-3756. | 4.6 | 48 |
| 66 | Control of regio-, diastereo-, and enantioselectivity in the [Ti(OTs)2(TADDOLato)]-catalyzed 1,3-dipolar cycloaddition reaction between 3-acryloyloxazolidin-2-one and nitrones. Helvetica Chimica Acta, 1997, 80, 2039-2046. | 1.6 | 44 |
| 67 | Intermolecular addition of alkyl radicals to imines in the absence and in the presence of a Lewis acid. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 1290-1295. | 1.3 | 44 |
| 68 | Mimicking enzymatic transaminations: attempts to understand and develop a catalytic asymmetric approach to chiral Î±-amino acids. Organic and Biomolecular Chemistry, 2004, 2, 2044-2049. | 2.8 | 42 |
| 69 | Asymmetric Organocatalytic Benzylation of Î±,Î²â€Unsaturated Aldehydes with Toluenes. European Journal of Organic Chemistry, 2013, 2013, 5262-5265. | 2.4 | 42 |
| 70 | Direct Access to Multifunctionalized Norcamphor Scaffolds by Asymmetric Organocatalytic Dielsâ€“Alder Reactions. Angewandte Chemie - International Edition, 2015, 54, 13630-13634. | 13.8 | 42 |
| 71 | Organocatalytic Enantioselective Higherâ€Order Cycloadditions of In Situ Generated Amino Isobenzofulvenes. Angewandte Chemie - International Edition, 2018, 57, 1246-1250. | 13.8 | 42 |
| 72 | Catalytic Enantioselective [10+4]â€…Cycloadditions. Angewandte Chemie - International Edition, 2018, 57, 13182-13186. | 13.8 | 42 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Organocatalytic asymmetric â€œanti-Michaelâ€•reaction of Î²-ketoesters. Chemical Communications, 2007, , 3921. | 4.1 | 41 |
| 74 | Practical metal- and additive-free methods for radical-mediated reduction and cyclization reactions. Green Chemistry, 2013, 15, 3355. | 9.0 | 40 |
| 75 | Benzofulvenes in Trienamine Catalysis: Stereoselective Spiroindene Synthesis. Angewandte Chemie - International Edition, 2016, 55, 11124-11128. | 13.8 | 39 |
| 76 | Synergistic Catalysis for the Asymmetric [3+2] Cycloaddition of Vinyl Aziridines with Î±,Î²â€²Unsaturated Aldehydes. Chemistry - A European Journal, 2017, 23, 268-272. | 3.3 | 39 |
| 77 | Organocatalytic [6+4] Cycloadditions via Zwitterionic Intermediates: Chemo-, Regio-, and Stereoselectivities. Journal of the American Chemical Society, 2018, 140, 13726-13735. | 13.7 | 37 |
| 78 | Friedel-Crafts reactions in water of carbonyl compounds with heteroaromatic compounds. Chemical Communications, 2002, , 1336-1337. | 4.1 | 35 |
| 79 | Development of a chemical probe for identifying protein targets of Î±-oxoaldehydes. Chemical Communications, 2013, 49, 4012. | 4.1 | 33 |
| 80 | Enantioselective formation of cyclopropane spiroindenes from benzofulvenes by phase transfer catalysis. Chemical Communications, 2016, 52, 12474-12477. | 4.1 | 33 |
| 81 | Catalytic Asymmetric Oxidative Î³â€²Coupling of Î±,Î²â€²Unsaturated Aldehydes with Air as the Terminal Oxidant. Angewandte Chemie - International Edition, 2018, 57, 1606-1610. | 13.8 | 33 |
| 82 | Enantioselective Oxidative Coupling of Carboxylic Acids to Î±-Branched Aldehydes. Journal of the American Chemical Society, 2018, 140, 12687-12690. | 13.7 | 33 |
| 83 | Umpolung Strategy for Î±â€²Functionalization of Aldehydes for the Addition of Thiols and other Nucleophiles. Angewandte Chemie - International Edition, 2019, 58, 17856-17862. | 13.8 | 33 |
| 84 | Ketone Body Acetoacetate Buffers Methylglyoxal via a Non-enzymatic Conversion during Diabetic and Dietary Ketosis. Cell Chemical Biology, 2017, 24, 935-943.e7. | 5.2 | 32 |
| 85 | Direct Enantioâ€•and Diastereoselective Oxidative Homocoupling of Aldehydes. Chemistry - A European Journal, 2018, 24, 14844-14848. | 3.3 | 32 |
| 86 | Practical Synthesis of Î²â€²Carbonyl Phenyltetrazolesulfones and Investigations of Their Reactivities in Organocatalysis. European Journal of Organic Chemistry, 2011, 2011, 47-52. | 2.4 | 31 |
| 87 | Oxidative organocatalysed enantioselective coupling of indoles with aldehydes that forms quaternary carbon stereocentres. Chemical Science, 2019, 10, 3586-3591. | 7.4 | 30 |
| 88 | A Molybdenum-Catalyzed Oxidative System Forming Oxazines (Hetero-Dielsâ^'Alder Adducts) from Primary Aromatic Amines, Hydrogen Peroxide, and Conjugated Dienes. Journal of Organic Chemistry, 1996, 61, 5770-5778. | 3.2 | 28 |
| 89 | Enantioselective Organocatalytic Cascade Approach to Different Classes of Benzofused Acetals. Chemistry - A European Journal, 2016, 22, 16810-16818. | 3.3 | 28 |
| 90 | Organocatalytic Strategy for the Enantioselective Cycloaddition to Trisubstituted Nitroolefins to Create Spirocyclohexeneâ€•Oxetane Scaffolds. Angewandte Chemie - International Edition, 2016, 55, 2478-2482. | 13.8 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Asymmetric BrÃ¸nsted Base Catalyzed and Directed [3+2] Cycloaddition of 2â€Acyl Cycloheptatrienes with Azomethine Ylides. Chemistry - A European Journal, 2016, 22, 3259-3263. | 3.3 | 28 |
| 92 | Organocatalytic [10+4] cycloadditions for the synthesis of functionalised benzo[a]azulenes. Chemical Communications, 2019, 55, 202-205. | 4.1 | 27 |
| 93 | Asymmetric Synthesis of Hexahydropyrroloâ€isoquinolines by an Organocatalytic Threeâ€Component Reaction. Chemistry - A European Journal, 2012, 18, 2773-2776. | 3.3 | 26 |
| 94 | Profiling of Methylglyoxal Blood Metabolism and Advanced Glycation End-Product Proteome Using a Chemical Probe. ACS Chemical Biology, 2018, 13, 3294-3305. | 3.4 | 26 |
| 95 | Studies on aluminium mediated asymmetric Friedelâ€“Crafts hydroxyalkylation reactions of pyridinecarbaldehydes. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 854-860. | 1.3 | 24 |
| 96 | Organocatalytic synthesis of optically active heteroaromatic compounds. Catalysis Science and Technology, 2012, 2, 1089. | 4.1 | 24 |
| 97 | On the Mechanism of the Organocatalytic Asymmetric Epoxidation of Î±,Î²â€Unsaturated Aldehydes. Chemistry - A European Journal, 2014, 20, 64-67. | 3.3 | 24 |
| 98 | The stereoselective formation of highly substituted CF<sub>3</sub>-dihydropyrans as versatile building blocks. Chemical Communications, 2015, 51, 13666-13669. | 4.1 | 24 |
| 99 | Decarboxylative [4+2] Cycloaddition by Synergistic Palladium and Organocatalysis. Angewandte Chemie, 2016, 128, 15498-15502. | 2.0 | 24 |
| 100 | Enantioselective Construction of the Cycl[3.2.2]azine Core via Organocatalytic [12 + 2] Cycloadditions. Journal of the American Chemical Society, 2021, 143, 6140-6151. | 13.7 | 24 |
| 101 | Oxadendralenes in asymmetric organocatalysis for the construction of tetrahydroisochromenes. Chemical Science, 2016, 7, 3649-3657. | 7.4 | 23 |
| 102 | Indium(III)â€catalyzed Azaâ€Coniaâ€Ene Reaction for the Synthesis of Indolizines. Chemistry - A European Journal, 2017, 23, 7905-7909. | 3.3 | 23 |
| 103 | Asymmetric Catalytic Azaâ€Dielsâ€“Alder/Ringâ€Closing Cascade Reaction Forming Bicyclic Azaheterocycles by Trienamine Catalysis. Chemistry - A European Journal, 2017, 23, 38-41. | 3.3 | 23 |
| 104 | Development and Investigation of an Organocatalytic Enantioselective [10 + 2] Cycloaddition. ACS Catalysis, 2020, 10, 10784-10793. | 11.2 | 23 |
| 105 | [8+2] vs [4+2] Cycloadditions of Cyclohexadienamines to Tropone and Heptafulvenesâ€”Mechanisms and Selectivities. Journal of the American Chemical Society, 2021, 143, 934-944. | 13.7 | 23 |
| 106 | Directing the Activation of Donorâ€“Acceptor Cyclopropanes Towards Stereoselective 1,3â€Dipolar Cycloaddition Reactions by BrÃ¸nsted Base Catalysis. Angewandte Chemie, 2017, 129, 11993-11997. | 2.0 | 22 |
| 107 | Enantioselective 1,3â€Dipolar [6+4] Cycloaddition of Pyrylium Ions and Fulvenes towards Cyclooctanoids. Chemistry - A European Journal, 2020, 26, 11417-11422. | 3.3 | 22 |
| 108 | Enantioselective synthesis of cyclopenta[b]benzofurans via an organocatalytic intramolecular double cyclization. Chemical Science, 2017, 8, 8086-8093. | 7.4 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Higher-order cycloadditions in the age of catalysis. CheM, 2022, 8, 20-30. | 11.7 | 21 |
| 110 | Organocatalysis in Natural Product Synthesis: A Simple Oneâ€Pot Approach to Optically Active Î²â€Diols. Advanced Synthesis and Catalysis, 2009, 351, 3193-3198. | 4.3 | 20 |
| 111 | Organocatalytic asymmetric strategies to carbocyclic structures by Î³-alkylation-annulation sequences. Chemical Communications, 2014, 50, 13676-13679. | 4.1 | 20 |
| 112 | A cleavable azide resin for direct click chemistry mediated enrichment of alkyne-labeled proteins. Chemical Communications, 2014, 50, 12098-12100. | 4.1 | 20 |
| 113 | Catalytic Asymmetric [4+2]â€Cycloadditions Using Tropolones: Developments, Scope, Transformations, and Bioactivity. Angewandte Chemie - International Edition, 2018, 57, 13216-13220. | 13.8 | 20 |
| 114 | Stereocontrolled Organocatalytic Strategy for the Synthesis of Optically Active 2,3â€Disubstituted cisâ€2,3â€Dihydrobenzofurans. Chemistry - an Asian Journal, 2013, 8, 648-652. | 3.3 | 19 |
| 115 | Mechanistic Insights into the Mode of Action of Bifunctional Pyrrolidineâ€Squaramideâ€Derived Organocatalysts. Chemistry - A European Journal, 2016, 22, 884-889. | 3.3 | 19 |
| 116 | Synergistic Diastereoâ€and Enantioselective Functionalization of Unactivated Alkyl Quinolines with Î±,Î²â€Unsaturated Aldehydes. Angewandte Chemie, 2017, 129, 1656-1660. | 2.0 | 19 |
| 117 | Cycloadditionen: Warum ist der Ãœbergang von sechs zu zehn Elektronen so schwer?. Angewandte Chemie, 2017, 129, 10165-10171. | 2.0 | 19 |
| 118 | An Asymmetric S<sub>N</sub>2 Dynamic Kinetic Resolution. Journal of the American Chemical Society, 2021, 143, 7509-7520. | 13.7 | 19 |
| 119 | Catalytic Asymmetric Diels-Alder Reactions. , 0, , 5-55. | | 18 |
| 120 | ReactELISA method for quantifying methylglyoxal levels in plasma and cell cultures. Redox Biology, 2019, 26, 101252. | 9.0 | 18 |
| 121 | Organocatalytic Enantioselective 1,3â€Dipolar [6+4] Cycloadditions of Tropone. Chemistry - A European Journal, 2020, 26, 15491-15496. | 3.3 | 18 |
| 122 | Organocatalytic Enantioselective Construction of Conformationally Stable C(sp<sup>2</sup>)â€“C(sp<sup>3</sup>) Atropisomers. Journal of the American Chemical Society, 2022, 144, 1056-1065. | 13.7 | 18 |
| 123 | Enantioselective Î±â€Etherification of Branched Aldehydes via an Oxidative Umpolung Strategy. Angewandte Chemie - International Edition, 2021, 60, 18728-18733. | 13.8 | 17 |
| 124 | Organocatalysis with endogenous compounds: Towards novel non-enzymatic reactions. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3888-3891. | 2.2 | 16 |
| 125 | Stereoselective Oxidative Bioconjugation of Amino Acids and Oligopeptides to Aldehydes. Angewandte Chemie - International Edition, 2020, 59, 18490-18494. | 13.8 | 16 |
| 126 | Organocatalytic Asymmetric Multicomponent Cascade Reaction for the Synthesis of Contiguously Substituted Tetrahydronaphthols. Journal of the American Chemical Society, 2021, 143, 8208-8220. | 13.7 | 16 |

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|---|---|---|---|
| 127 | Organocatalytic Enantioselective Higherâ€Order Cycloadditions of In Situ Generated Amino Isobenzofulvenes. Angewandte Chemie, 2018, 130, 1260-1264. | 2.0 | 16 |
| 128 | Formal Asymmetric Î±-Alkenylation of Aldehydes and the Synthetic Application toward Forming Î±-exo-Methylene-Î³-butyrolactones and Skipped Dienes. Organic Letters, 2017, 19, 1200-1203. | 4.6 | 15 |
| 129 | Enantioselective (8+3) Cycloadditions by Activation of Donorâ€“Acceptor Cyclopropanes Employing Chiral BrÃ¸nsted Base Catalysis. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 15 |
| 130 | Higher-order cycloaddition reactions: A computational perspective. Tetrahedron, 2018, 74, 7381-7387. | 1.9 | 14 |
| 131 | Metal-free, Oxidative Î±-Coupling of Aldehydes with Amine Nucleophiles for the Preparation of Congested C(sp<sup>3</sup>)â€“N Bonds. Journal of Organic Chemistry, 2022, 87, 1756-1766. | 3.2 | 14 |
| 132 | Catalytic Asymmetric Oxidative Î³â€Coupling of Î±,Î²â€Unsaturated Aldehydes with Air as the Terminal Oxidant. Angewandte Chemie, 2018, 130, 1622-1626. | 2.0 | 13 |
| 133 | Isotope Effects Reveal an Alternative Mechanism for â€œIminium-Ionâ€•Catalysis. Journal of the American Chemical Society, 2018, 140, 8396-8400. | 13.7 | 13 |
| 134 | Umpolung Strategy for Î±â€Functionalization of Aldehydes for the Addition of Thiols and other Nucleophiles. Angewandte Chemie, 2019, 131, 18020-18026. | 2.0 | 12 |
| 135 | Aminocatalytic [8+2] Cycloaddition Reactions toward Chiral Cyclazines. Angewandte Chemie - International Edition, 2021, 60, 18527-18531. | 13.8 | 12 |
| 136 | Organocatalytic Formation of Chiral Trisubstituted Allenes and Chiral Furan Derivatives. Angewandte Chemie, 2018, 130, 10821-10825. | 2.0 | 11 |
| 137 | Enamine Catalysis:Î±-Heteroatom Functionalization. , 0, , 56-76. | | 10 |
| 138 | Benzofulvenes in Trienamine Catalysis: Stereoselective Spiroindene Synthesis. Angewandte Chemie, 2016, 128, 11290-11294. | 2.0 | 10 |
| 139 | ReactELISA: Monitoring a Carbon Nucleophilic Metabolite by ELISAâ€”a Study of Lipid Metabolism. Analytical Chemistry, 2017, 89, 5066-5071. | 6.5 | 10 |
| 140 | Catalytic Enantioselective [10+4]â€…Cycloadditions. Angewandte Chemie, 2018, 130, 13366-13370. | 2.0 | 10 |
| 141 | A Direct Organocatalytic Enantioselective Route to Functionalizedtransâ€Dielsâ€“Alder Products Having the Norcarane Scaffold. Angewandte Chemie - International Edition, 2021, 60, 18318-18327. | 13.8 | 10 |
| 142 | Organocatalyzed Cross-Nucleophile Couplings: Umpolung of Catalytic Enamines. Accounts of Chemical Research, 2022, 55, 1703-1717. | 15.6 | 10 |
| 143 | Asymmetric Metal-Catalyzed 1,3-Dipolar Cycloaddition Reactions. , 0, , 211-247. | | 8 |
| 144 | Ambimodal Transition States in Dielsâ€“Alder Cycloadditions of Tropolone and Tropolonate with Nâ€Methylmaleimide**. Angewandte Chemie - International Edition, 2021, 60, 24991-24996. | 13.8 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Asymmetric Reactions. Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs, 2003, , 817-899. | 0.0 | 7 |
| 146 | Organocatalytic Strategy for the Enantioselective Cycloaddition to Trisubstituted Nitroolefins to Create Spirocyclohexeneâ€Oxetane Scaffolds. Angewandte Chemie, 2016, 128, 2524-2528. | 2.0 | 7 |
| 147 | Insights on the Pseudoâ€Enantiomeric Properties of Bifunctional Cinchona Alkaloid Squaramideâ€Derived Organocatalyst. Chemistry - A European Journal, 2020, 26, 15727-15732. | 3.3 | 6 |
| 148 | An Experimental Stereoselective Photochemical [1s,3s]-Sigmatropic Silyl Shift and the Existence of Silyl/Allyl Conical Intersections. Journal of the American Chemical Society, 2020, 142, 6030-6035. | 13.7 | 6 |
| 149 | Stereoselective Oxidative Bioconjugation of Amino Acids and Oligopeptides to Aldehydes. Angewandte Chemie, 2020, 132, 18648-18652. | 2.0 | 4 |
| 150 | Enantioselective Î±â€Etherification of Branched Aldehydes via an Oxidative Umpolung Strategy. Angewandte Chemie, 2021, 133, 18876-18881. | 2.0 | 3 |
| 151 | Investigation of the Organocatalytic Chlorination of 2â€Phenylpropanal. Chemistry - A European Journal, 2021, 27, 17465-17475. | 3.3 | 3 |
| 152 | Catalytic Asymmetric [4+2]â€Cycloadditions Using Tropolones: Developments, Scope, Transformations, and Bioactivity. Angewandte Chemie, 2018, 130, 13400-13404. | 2.0 | 2 |
| 153 | Ambimodal Transition States in Dielsâ^'Alder Cycloadditions of Tropolone and Tropolonate with Nâ€Methylmaleimide. Angewandte Chemie, 2021, 133, 25195. | 2.0 | 2 |
| 154 | Enantioselective (8+3) Cycloadditions by Activation of Donorâ€“Acceptor Cyclopropanes Employing Chiral BrÃ¸nsted Base Catalysis. Angewandte Chemie, 2022, 134, . | 2.0 | 2 |
| 155 | Catalytic Enantioselective Aza Diels-Alder Reactions. , 0, , 187-209. | | 1 |
| 156 | Enantioselective [2+1] Cycloaddition: Cyclopropanation with Zinc Carbenoids. , 0, , 85-150. | | 1 |
| 157 | Theoretical Calculations of Metal-Catalyzed Cycloaddition Reactions. , 0, , 301-327. | | 1 |
| 158 | Asymmetric Catalytic Aza-Diels-Alder/Ring-Closing Cascade Reaction Forming Bicyclic Azaheterocycles by Trienamine Catalysis. Chemistry - A European Journal, 2017, 23, 3-3. | 3.3 | 1 |
| 159 | A Direct Organocatalytic Enantioselective Route to Functionalizedtransâ€Dielsâ€“Alder Products Having the Norcarane Scaffold. Angewandte Chemie, 2021, 133, 18466-18475. | 2.0 | 1 |
| 160 | Aminocatalytic [8+2] Cycloaddition Reactions toward Chiral Cyclazines. Angewandte Chemie, 2021, 133, 18675-18679. | 2.0 | 1 |
| 161 | Recent Advances in Palladium-Catalyzed Cycloadditions Involving Trimethylenemethane and its Analogs. , 0, , 57-84. | | 0 |
| 162 | Aqua Complex Lewis Acid Catalysts for Asymmetric 3+2 Cycloaddition Reactions. , 0, , 249-300. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Catalytic Enantioselective Cycloaddition Reactions of Carbonyl Compounds. , 0, , 151-185. | | 0 |
| 164 | Titelbild: Organocatalytic Asymmetric Formation of Steroids (Angew. Chem. 16/2014). Angewandte Chemie, 2014, 126, 4089-4089. | 2.0 | 0 |
| 165 | Frontispiece: Enantioselective Organocatalytic Cascade Approach to Different Classes of Benzofused Acetals. Chemistry - A European Journal, 2016, 22, . | 3.3 | 0 |
| 166 | Titelbild: Cycloadditionen: Warum ist der Ãœbergang von sechs zu zehn Elektronen so schwer? (Angew.) Tj ETQq0 0 0 rgBT /Overlock 10 | 2.0 | 0 |
| 167 | In My Element: Love Lies in Carbon. Chemistry - A European Journal, 2019, 25, 4534-4534. | 3.3 | 0 |
| 168 | ORGANOCATALYSIS â€" FROM LABORATORY SCALE TO INDUSTRIAL PROCESSES. , 2018, , . | | 0 |
| 169 | Borders of Cycloaddition and Chemistry of Frescos. ChemistryViews, 0, , . | 0.0 | 0 |