

Hiroto Nakano

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A novel chiral oxazolidine organocatalyst for the synthesis of an oseltamivir intermediate using a highly enantioselective Diels–Alder reaction of 1,2-dihydropyridine. <i>Chemical Communications</i> , 2010, 46, 4827. | 4.1 | 106 |
| 2 | Enantioselective addition of diethylzinc to aldehydes using 2-azanorbornylmethanols and 2-azanorbornylmethanethiol as a catalyst. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 1391-1401. | 1.8 | 72 |
| 3 | New chiral ligands, pyrrolidinyl- and 2-azanorbornyl- phosphinooxazolidines for palladium-catalyzed asymmetric allylation. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 1193-1198. | 1.8 | 56 |
| 4 | Catalytic Efficiency of Primary β -Amino Alcohols and Their Derivatives in Organocatalysis. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4124-4143. | 2.4 | 53 |
| 5 | Structure–activity relations of rosmarinic acid derivatives for the amyloid β aggregation inhibition and antioxidant properties. <i>European Journal of Medicinal Chemistry</i> , 2017, 138, 1066-1075. | 5.5 | 51 |
| 6 | Organocatalytic activity of 4-hydroxy-prolinamide alcohol with different noncovalent coordination sites in asymmetric Michael and direct aldol reactions. <i>Tetrahedron Letters</i> , 2009, 50, 193-197. | 1.4 | 48 |
| 7 | The highly enantioselective Diels–Alder reaction of 1,2-dihydropyridine using chiral cationic palladium–phosphinooxazolidine catalyst for the synthesis of chiral isoquinuclidines. <i>Tetrahedron Letters</i> , 2005, 46, 5677-5681. | 1.4 | 45 |
| 8 | A highly enantioselective Diels–Alder reaction of 1,2-dihydropyridine using a simple β -amino alcohol organocatalyst for a practical synthetic methodology of oseltamivir intermediate. <i>Tetrahedron Letters</i> , 2011, 52, 4745-4748. | 1.4 | 38 |
| 9 | Enantioselective Diels–Alder Reaction of 1,2-Dihydropyridines with Aldehydes Using β -Amino Alcohol Organocatalyst. <i>Journal of Organic Chemistry</i> , 2014, 79, 9500-9511. | 3.2 | 38 |
| 10 | An efficient synthetic methodology of chiral isoquinuclidines by the enantioselective Diels–Alder reaction of 1,2-dihydropyridines using chiral cationic palladium–phosphinooxazolidine catalyst. <i>Tetrahedron</i> , 2006, 62, 10879-10887. | 1.9 | 37 |
| 11 | Synthesis of new chiral catalysts, N-alkyl-2-azanorbornyl-methanols, for the enantioselective addition of diethylzinc to arylaldehydes. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 1233-1236. | 1.8 | 33 |
| 12 | A Diamino Alcohol Catalyzed Enantioselective Crossed Aldol Reaction of Acetaldehyde with Isatins – A Concise Total Synthesis of Antitumor Agents. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3874-3885. | 2.4 | 31 |
| 13 | Silyloxy Amino Alcohol Organocatalyst for Enantioselective 1,3-Dipolar Cycloaddition of Nitrones to α,β -Unsaturated Aldehydes. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7292-7300. | 2.4 | 28 |
| 14 | Simple Primary Amino Amide Organocatalyst for Enantioselective Aldol Reactions of Isatins with Ketones. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3748-3756. | 2.4 | 24 |
| 15 | Asymmetric synthesis of isoquinuclidines by Diels–Alder reaction of 1,2-dihydropyridine utilizing a chiral Lewis acid catalyst. <i>Tetrahedron</i> , 2012, 68, 1774-1781. | 1.9 | 23 |
| 16 | Chiral primary amino alcohol organobase catalysts for the asymmetric Diels–Alder reactions of anthrones with maleimides. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 1423-1429. | 1.8 | 23 |
| 17 | An efficient synthesis of chiral isoquinuclidines by Diels–Alder reaction using Lewis acid catalyst. <i>Tetrahedron</i> , 2010, 66, 7618-7624. | 1.9 | 21 |
| 18 | Antiviral Activities of Hibiscus sabdariffa L. Tea Extract Against Human Influenza A Virus Rely Largely on Acidic pH but Partially on a Low-pH-Independent Mechanism. <i>Food and Environmental Virology</i> , 2020, 12, 9-19. | 3.4 | 19 |

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|----|--|-----|-----------|
| 19 | New Hybrid-type Squaramide-Fused Amino Alcohol Organocatalyst for Enantioselective Domino Michael Addition/Cyclization Reaction of Oxindolines with Cyclic 1,3-Diketones. ACS Omega, 2018, 3, 11718-11726. | 3.5 | 17 |
| 20 | $\hat{1}^2$ -Amino Alcohol Organocatalysts for Asymmetric Additions. Heterocycles, 2018, 97, 647. | 0.7 | 17 |
| 21 | Hybrid-type Squaramide-Fused Amino Alcohol Organocatalysts for Enantioselective Nitro-Aldol Reaction of Nitromethane with Isatins. European Journal of Organic Chemistry, 2017, 2017, 1638-1646. | 2.4 | 16 |
| 22 | 2-Azanorbornane-based amine organocatalyst for enantioselective aldol reaction of isatins with ketones. Tetrahedron: Asymmetry, 2016, 27, 1062-1068. | 1.8 | 15 |
| 23 | CHIRAL PRIMARY AMINO SILYL ETHER ORGANOCATALYST FOR THE ENANTIOSELECTIVE DIELS-ALDER REACTION OF 1,2-DIHYDROPYRIDINES WITH ALDEHYDES. Heterocycles, 2012, 86, 1379. | 0.7 | 14 |
| 24 | Simple primary $\hat{1}^2$ -amino alcohol catalyzed enantioselective Diels-Alder reaction of 3-hydroxy-2-pyridones. Tetrahedron Letters, 2016, 57, 5771-5776. | 1.4 | 12 |
| 25 | Synthesis of New Chiral Catalysts, Isoquinuclidinylmethanethiols, for the Enantioselective Addition of Diethylzinc to Aryl Aldehydes. Heterocycles, 1997, 46, 267. | 0.7 | 10 |
| 26 | Hybrid-type Squaramide-Fused Amino Alcohol Organocatalysts for Enantioselective Diels-Alder Reactions of 3-Hydroxy-2-Pyridones with Maleimides. European Journal of Organic Chemistry, 2017, 2017, 4633-4641. | 2.4 | 10 |
| 27 | A new type of amino amide organocatalyzed enantioselective crossed aldol reaction of ketones with aromatic aldehydes. Tetrahedron, 2018, 74, 4705-4711. | 1.9 | 9 |
| 28 | Simple organocatalyst component system for asymmetric hetero Diels-Alder reaction of isatins with enones. RSC Advances, 2020, 10, 17486-17491. | 3.6 | 8 |
| 29 | 2-Azanorbornane-Based Amino Alcohol Organocatalysts for Asymmetric Michael Reaction of $\hat{1}^2$ -Keto Esters with Nitroolefins. European Journal of Organic Chemistry, 2019, 2019, 3882-3889. | 2.4 | 7 |
| 30 | Amino Amide Organocatalysts for Asymmetric Michael Addition of $\hat{1}^2$ -Keto Esters with $\hat{1}^2$ -Nitroolefins. Bulletin of the Chemical Society of Japan, 2019, 92, 696-701. | 3.2 | 7 |
| 31 | Simple primary $\hat{1}^2$ -amino alcohols as organocatalysts for the asymmetric Michael addition of $\hat{1}^2$ -keto esters to nitroalkenes. RSC Advances, 2021, 11, 203-209. | 3.6 | 5 |
| 32 | Sugar Based $\hat{1}^3$ -Amino Alcohol Organocatalyst for Asymmetric Michael Addition of $\hat{1}^2$ -Keto Esters with Nitroolefins. Heterocycles, 2019, 98, 1536. | 0.7 | 4 |
| 33 | Development of Asymmetric Reactions Using Chiral Oxazolidine-type Catalysts. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2012, 70, 142-153. | 0.1 | 4 |
| 34 | Development of Asymmetric Cycloaddition Reaction Using Amino Alcohol and its Derivative as an Organocatalyst. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2016, 74, 720-731. | 0.1 | 4 |
| 35 | New small $\hat{1}^3$ -turn type α -primary amino terminal tripeptide organocatalyst for solvent-free asymmetric aldol reaction of various ketones with aldehydes. RSC Advances, 2021, 11, 38925-38932. | 3.6 | 4 |
| 36 | New Sugar Based $\hat{1}^3$ -Amino Silyl Ether Organocatalysts for Asymmetric Michael Addition of $\hat{1}^2$ -Keto Esters with Nitroolefins. Heterocycles, 2022, 105, 369. | 0.7 | 2 |

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|----|--|-----|-----------|
| 37 | Simple amino silyl ether organocatalyst for asymmetric hetero Diels-Alder reaction of isatins with enones. <i>Chirality</i> , 2021, 33, 454-464. | 2.6 | 1 |