

Hidetoshi Noda

List of Publications by Year in descending order

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43
papers

1,461
citations

361413

20
h-index

330143

37
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50
all docs

50
docs citations

50
times ranked

1524
citing authors

#	ARTICLE	IF	CITATIONS
1	Unique physicochemical and catalytic properties dictated by the B ₃ NO ₂ ring system. <i>Nature Chemistry</i> , 2017, 9, 571-577.	13.6	148
2	Critical Evaluation and Rate Constants of Chemoselective Ligation Reactions for Stoichiometric Conjugations in Water. <i>ACS Chemical Biology</i> , 2015, 10, 1026-1033.	3.4	140
3	Rapid Ligations with Equimolar Reactants in Water with the Potassium Acyltrifluoroborate (KAT) Amide Formation. <i>Journal of the American Chemical Society</i> , 2014, 136, 5611-5614.	13.7	118
4	Nrf2 Activators Attenuate the Progression of Nonalcoholic Steatohepatitis-Related Fibrosis in a Dietary Rat Model. <i>Molecular Pharmacology</i> , 2013, 84, 62-70.	2.3	115
5	Chemoselective Acylation of Primary Amines and Amides with Potassium Acyltrifluoroborates under Acidic Conditions. <i>Journal of the American Chemical Society</i> , 2017, 139, 1826-1829.	13.7	85
6	Catalytic asymmetric synthesis of CF ₃ -substituted tertiary propargylic alcohols via direct aldol reaction of β -N ₃ amide. <i>Chemical Science</i> , 2017, 8, 3260-3269.	7.4	62
7	Synthesis and chemoselective ligations of MIDA acylboronates with O-Me hydroxylamines. <i>Chemical Science</i> , 2014, 5, 4328-4332.	7.4	61
8	Quaternary β -Amino Acids: Catalytic Asymmetric Synthesis and Incorporation into Peptides by Fmoc-Based Solid-Phase Peptide Synthesis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 818-822.	13.8	61
9	Synthesis of Chemically and Configurationally Stable Monofluoro Acylboronates: Effect of Ligand Structure on their Formation, Properties, and Reactivities. <i>Journal of the American Chemical Society</i> , 2015, 137, 3958-3966.	13.7	56
10	Traceless Electrophilic Amination for the Synthesis of Unprotected Cyclic β -Amino Acids. <i>Journal of the American Chemical Society</i> , 2019, 141, 10530-10537.	13.7	49
11	Catalytic Oligopeptide Synthesis. <i>Organic Letters</i> , 2018, 20, 612-615.	4.6	48
12	Recent Advances in the Catalytic Asymmetric Synthesis of β - and γ -Amino Acids. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 2350-2361.	2.4	45
13	Synthesis and reactivities of monofluoro acylboronates in chemoselective amide bond forming ligation with hydroxylamines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 16-20.	2.8	43
14	Catalytic Asymmetric Synthesis of β -Trifluoromethylated Carbinols: A Case Study of Tertiary Propargylic Alcohols. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 599-612.	2.7	38
15	Synthesis of Unprotected Spirocyclic β -Prolines and β -Homoprolines by Rh-Catalyzed C-H Insertion. <i>Organic Letters</i> , 2019, 21, 9296-9299.	4.6	38
16	Exploiting β -Amino Acid Enolates in Direct Catalytic Diastereo- and Enantioselective C-C Bond-Forming Reactions. <i>Chemistry - A European Journal</i> , 2018, 24, 15796-15800.	3.3	35
17	Neighboring Protonation Unveils Lewis Acidity in the B ₃ NO ₂ Heterocycle. <i>Journal of the American Chemical Society</i> , 2019, 141, 1546-1554.	13.7	35
18	All Non-Carbon B ₃ NO ₂ Exotic Heterocycles: Synthesis, Dynamics, and Catalysis. <i>Chemistry - A European Journal</i> , 2019, 25, 4648-4653.	3.3	34

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19	Direct Catalytic Asymmetric Aldol Addition of an α -CF ₃ Amide to Arylglyoxal Hydrates. <i>Journal of Organic Chemistry</i> , 2017, 82, 8304-8308.	3.2	29
20	<i>o</i> -Benzoylhydroxylamines as Alkyl Nitrene Precursors: Synthesis of Saturated N-Heterocycles from Primary Amines. <i>Organic Letters</i> , 2020, 22, 8769-8773.	4.6	23
21	Direct N-acylation of sulfoximines with carboxylic acids catalyzed by the B ₃ NO ₂ heterocycle. <i>Chemical Communications</i> , 2017, 53, 7447-7450.	4.1	20
22	Quaternary β -Amino Acids: Catalytic Asymmetric Synthesis and Incorporation into Peptides by Fmoc-Based Solid-Phase Peptide Synthesis. <i>Angewandte Chemie</i> , 2018, 130, 826-830.	2.0	20
23	Generation and application of Cu-bound alkyl nitrenes for the catalyst-controlled synthesis of cyclic β -amino acids. <i>Chemical Science</i> , 2021, 12, 7809-7817.	7.4	16
24	Catalyst-Controlled Chemoselective Nitrene Transfers. <i>Helvetica Chimica Acta</i> , 2021, 104, e2100140.	1.6	16
25	Sc ³⁺ -Catalyzed Aldol-Type Additions of <i>o</i> -Benzoylcyclopropanecarboxamides via Iodide-Mediated Ring-Opening: α Stereoselective Synthesis of β -Lactams. <i>Organic Letters</i> , 2008, 10, 1661-1664.	4.6	15
26	Lewis Base Assisted Lithium Brønsted Base Catalysis: A New Entry for Catalytic Asymmetric Synthesis of β -Amino Acids. <i>Chemical and Pharmaceutical Bulletin</i> , 2019, 67, 1046-1049.	1.3	15
27	Direct enolization chemistry of 7-azaindoline amides: A case study of bis(tetrahydrophosphole)-type ligands. <i>Tetrahedron</i> , 2018, 74, 3301-3305.	1.9	12
28	Direct Catalytic Asymmetric Mannich-Type Reaction of an α -CF ₃ Amide to Isatin Imines. <i>Synlett</i> , 2019, 30, 488-492.	1.8	12
29	Ligand-Enabled, Copper-Catalyzed Electrophilic Amination for the Asymmetric Synthesis of β -Amino Acids. <i>Organic Letters</i> , 2021, 23, 8617-8621.	4.6	10
30	Imbuing an Old Heterocycle with the Power of Modern Catalysis: An Isoxazolidin-5-one Story. <i>Chemical and Pharmaceutical Bulletin</i> , 2021, 69, 1160-1169.	1.3	10
31	Synthetic fermentation of β -peptide macrocycles by thiadiazole-forming ring-closing reactions. <i>Chemical Science</i> , 2018, 9, 2159-2167.	7.4	8
32	Structural and Computational Investigation of Intramolecular N \cdots H Interactions in α - and β -Fluorinated γ -Azaindoline Amides. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 714-722.	2.4	7
33	A Dyl3-catalyzed Mannich-type Reaction of 1-Methylcyclopropanecarboxylate-type Donors for the Stereoselective Synthesis of Pyrrolidines with Quaternary Stereocenters. <i>Chemistry Letters</i> , 2008, 37, 1180-1181.	1.3	6
34	Concise and Stereodivergent Approach to Chromanone Lactones through Copper-Catalyzed Asymmetric Vinylogous Addition of Siloxyfurans to α -Ester-Substituted Chromones. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	6
35	(2R, 3S)- β -Tetrafluorovaline: A Fluorinated Bioisostere of Isoleucine. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1745-1752.	2.4	5
36	A fluorogenic C ₄ N ₄ probe for azide-based labelling. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1813-1816.	2.8	4

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37	On the Nitrogen Inversion of Isoxazolidin-5-ones. <i>Chemical and Pharmaceutical Bulletin</i> , 2019, 67, 1248-1249.	1.3	3
38	Design, Synthesis, and Application of Multiboron Heterocycle to Direct Amidation Catalyst. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2020, 78, 971-978.	0.1	3
39	A C4N4 Diaminopyrimidine Fluorophore. <i>Chemistry - A European Journal</i> , 2019, 25, 4299-4304.	3.3	2
40	Cyanomethylation of α -Alkoxyaldehydes: Toward a Short Synthesis of Atorvastatin. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 57-60.	2.7	2
41	A C4N4 Diaminopyrimidine Fluorophore. <i>Chemistry - A European Journal</i> , 2019, 25, 4243-4243.	3.3	0
42	Concise and Stereodivergent Approach to Chromanone Lactones through Copper-Catalyzed Asymmetric Vinylogous Addition of Siloxyfurans to α -Ester-Substituted Chromones. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
43	Innenr¼cktitelbild: Concise and Stereodivergent Approach to Chromanone Lactones through Copper-Catalyzed Asymmetric Vinylogous Addition of Siloxyfurans to α -Ester-Substituted Chromones (<i>Angew. Chem.</i> 26/2022). <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0