Dawen Niu

List of Publications by Year
in descending order

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54	3,013	186265	168389
papers	citations	28 h-index	53 g-index

61	61	61	2385
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Halogen-bond-assisted radical activation of glycosyl donors enables mild and stereoconvergent 1,2-cis-glycosylation. Nature Chemistry, 2022, 14, 686-694.	13.6	59
2	Synthesis of Polydiynes via an Unexpected Dimerization/Polymerization Sequence of C3 Propargylic Electrophiles. Journal of the American Chemical Society, 2022, 144, 8807-8817.	13.7	4
3	Doubly stereoconvergent construction of vicinal all-carbon quaternary and tertiary stereocenters by Cu/Mg-catalyzed propargylic substitution. Nature Communications, 2022, 13, 2457.	12.8	15
4	Alkyl/Glycosyl Sulfoxides as Radical Precursors and Their Use in the Synthesis of Pyridine Derivatives**. Angewandte Chemie, 2022, 134, .	2.0	5
5	Alkyl/Glycosyl Sulfoxides as Radical Precursors and Their Use in the Synthesis of Pyridine Derivatives**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	30
6	A Radical Approach to Making Unnatural Amino Acids: Conversion of Câ^'S Bonds in Cysteine Derivatives into Câ^'C Bonds. Angewandte Chemie - International Edition, 2021, 60, 2155-2159.	13.8	32
7	Generation of Glycosyl Radicals from Glycosyl Sulfoxides and Its Use in the Synthesis of Câ€linked Glycoconjugates. Angewandte Chemie, 2021, 133, 389-394.	2.0	16
8	A Radical Approach to Making Unnatural Amino Acids: Conversion of Câ^'S Bonds in Cysteine Derivatives into Câ^'C Bonds. Angewandte Chemie, 2021, 133, 2183-2187.	2.0	11
9	Generation of Glycosyl Radicals from Glycosyl Sulfoxides and Its Use in the Synthesis of Câ€linked Glycoconjugates. Angewandte Chemie - International Edition, 2021, 60, 385-390.	13.8	58
10	Catalytic asymmetric umpolung reaction of imines to synthesize isoindolinones and tetrahydroisoquinolines. Green Synthesis and Catalysis, 2021, 2, 70-73.	6.8	8
11	Cobalt-Catalyzed Umpolung Alkylation of Imines To Generate Î±-Branched Aliphatic Amines. Organic Letters, 2021, 23, 3818-3822.	4.6	3
12	Stereoselective Preparation of Câ€Aryl Glycosides via Visibleâ€Lightâ€Induced Nickelâ€Catalyzed Reductive Crossâ€Coupling of Glycosyl Chlorides and Aryl Bromides. Advanced Synthesis and Catalysis, 2021, 363, 3025-3029.	4.3	26
13	Nonenzymatic StereoselectiveS-Glycosylation of Polypeptides and Proteins. Journal of the American Chemical Society, 2021, 143, 11919-11926.	13.7	57
14	Selective synthesis of enol ethers via nickel-catalyzed cross coupling of Î±-oxy-vinylsulfones with alkylzinc reagents. Chemical Communications, 2021, 57, 12273-12276.	4.1	4
15	Site-switchable mono-O-allylation of polyols. Nature Communications, 2020, 11, 5681.	12.8	18
16	Asymmetric O-propargylation of secondary aliphatic alcohols. Nature Catalysis, 2020, 3, 672-680.	34.4	77
17	Synthesis of Î²³-Amino Esters by Iridium-Catalyzed Asymmetric Allylic Alkylation Reaction. Organic Process Research and Development, 2019, 23, 1758-1761.	2.7	16
18	Catalytic Asymmetric Synthesis of Î±-Tetrasubstituted Î±-Trifluoromethyl Homoallylic Amines by Ir-Catalyzed Umpolung Allylation of Imines. Organic Letters, 2019, 21, 6951-6956.	4.6	47

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19	A thiazole-derived oridonin analogue exhibits antitumor activity by directly and allosterically inhibiting STAT3. Journal of Biological Chemistry, 2019, 294, 17471-17486.	3.4	20
20	Copper-Catalyzed Asymmetric Propargylation of Indolizines. Organic Letters, 2019, 21, 8553-8557.	4.6	28
21	Ligand-controlled, transition-metal catalyzed site-selective modification of glycosides. Carbohydrate Research, 2019, 474, 16-33.	2.3	28
22	Ni-Catalyzed Suzukiâ€“Miyaura Cross-Coupling of Î±-Oxo-vinylsulfones To Prepare C-Aryl Glycals and Acyclic Vinyl Ethers. Journal of the American Chemical Society, 2019, 141, 7680-7686.	13.7	80
23	Mechanism of inhibition of retromer transport by the bacterial effector RidL. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1446-E1454.	7.1	52
24	Siteâ€Selective Oâ€Arylation of Glycosides. Angewandte Chemie, 2018, 130, 320-324.	2.0	8
25	Siteâ€Selective Oâ€Arylation of Glycosides. Angewandte Chemie - International Edition, 2018, 57, 314-318.	13.8	43
26	Identification of 5-(2,3-Dihydro-1H-indol-5-yl)-7H-pyrrolo[2,3-d]pyrimidin-4-amine Derivatives as a New Class of Receptor-Interacting Protein Kinase 1 (RIPK1) Inhibitors, Which Showed Potent Activity in a Tumor Metastasis Model. Journal of Medicinal Chemistry, 2018, 61, 11398-11414.	6.4	33
27	Diastereoâ€and Enantioselective Propargylation of 5 H â€Thiazolâ€4â€ones and 5 H â€Oxazolâ€4â€ones as Enabled by Cu/Zn and Cu/Ti Catalysis. Angewandte Chemie, 2018, 130, 15437-15441.	2.0	6
28	2-Azaallyl Anions, 2-Azaallyl Cations, 2-Azaallyl Radicals, and Azomethine Ylides. Chemical Reviews, 2018, 118, 10393-10457.	47.7	176
29	Diastereoâ€and Enantioselective Propargylation of 5Hâ€Thiazolâ€4â€ones and 5Hâ€Oxazolâ€4â€ones as Enabled by Cu/Zn and Cu/Ti Catalysis. Angewandte Chemie - International Edition, 2018, 57, 15217-15221.	13.8	42
30	Intramolecular Umpolung Allylation of Imines. Organic Letters, 2018, 20, 5857-5860.	4.6	18
31	RÃ¼cktitelbild: Metal- and Base-Free Room-Temperature Amination of Organoboronic Acids with N -Alkyl Hydroxylamines (Angew. Chem. 30/2018). Angewandte Chemie, 2018, 130, 9700-9700.	2.0	0
32	Metalâ€and Baseâ€Free Roomâ€Temperature Amination of Organoboronic Acids with Nâ€Alkyl Hydroxylamines. Angewandte Chemie - International Edition, 2018, 57, 9456-9460.	13.8	38
33	Metalâ€and Baseâ€Free Roomâ€Temperature Amination of Organoboronic Acids with Nâ€Alkyl Hydroxylamines. Angewandte Chemie, 2018, 130, 9600-9604.	2.0	16
34	Enantioselective Propargylation of Polyols and Desymmetrization of meso 1,2â€Diols by Copper/Borinic Acid Dual Catalysis. Angewandte Chemie - International Edition, 2017, 56, 7213-7217.	13.8	114
35	Site-Divergent Delivery of Terminal Propargyls to Carbohydrates by Synergistic Catalysis. CheM, 2017, 3, 834-845.	11.7	83
36	Structural and functional insights into sorting nexin 5/6 interaction with bacterial effector IncE. Signal Transduction and Targeted Therapy, 2017, 2, 17030.	17.1	36

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37	Iridium-Catalyzed Asymmetric Umpolung Allylation of N-FluorÂenyl Imines to Prepare 1,4-Disubstituted Homoallylic Amines. Synlett, 2017, 28, 2051-2056.	1.8	16
38	Enantioselective Propargylation of Polyols and Desymmetrization of meso 1,2â€Diols by Copper/Borinic Acid Dual Catalysis. Angewandte Chemie, 2017, 129, 7319-7323.	2.0	23
39	Use of a â€œCatalyticâ€•Cosolvent, N,Nâ€Dimethyl Octanamide, Allows the Flow Synthesis of Imatinib with no Solvent Switch. Angewandte Chemie - International Edition, 2016, 55, 2531-2535.	13.8	52
40	Silver-Assisted, Iridium-Catalyzed Allylation of Bis[(pinacolato)boryl]methane Allows the Synthesis of Enantioenriched Homoallylic Organoboronic Esters. ACS Catalysis, 2016, 6, 3381-3386.	11.2	112
41	Drug Discovery against Psoriasis: Identification of a New Potent FMS-like Tyrosine Kinase 3 (FLT3) Inhibitor, 1-(4-((1H-Pyrazolo[3,4-d]pyrimidin-4-yl)oxy)-3-fluorophenyl)-3-(5-(tert-butyl)isoxazol-3-yl)urea, That Showed Potent Activity in a Psoriatic Animal Model. Journal of Medicinal Chemistry, 2016, 59, 8293-8305.	6.4	27
42	Catalytic Asymmetric Umpolung Allylation of Imines. Journal of the American Chemical Society, 2016, 138, 13103-13106.	13.7	137
43	The Phenolâ€“Ene Reaction: Biaryl Synthesis via Trapping Reactions between HDDA-Generated Benzynes and Phenolics. Organic Letters, 2016, 18, 5596-5599.	4.6	39
44	Use of a â€œCatalyticâ€•Cosolvent, N,Nâ€Dimethyl Octanamide, Allows the Flow Synthesis of Imatinib with no Solvent Switch. Angewandte Chemie, 2016, 128, 2577-2581.	2.0	17
45	The Hexadehydro-Dielsâ€“Alder Cycloisomerization Reaction Proceeds by a Stepwise Mechanism. Journal of the American Chemical Society, 2016, 138, 7832-7835.	13.7	58
46	Design of Modified Amine Transfer Reagents Allows the Synthesis of Î±-Chiral Secondary Amines via CuH-Catalyzed Hydroamination. Journal of the American Chemical Society, 2015, 137, 9716-9721.	13.7	123
47	Catalytic asymmetric hydroamination of unactivated internal olefins to aliphatic amines. Science, 2015, 349, 62-66.	12.6	316
48	The aromatic ene reaction. Nature Chemistry, 2014, 6, 34-40.	13.6	100
49	Dichlorination of (Hexadehydro-Dielsâ€“Alder Generated) Benzynes and a Protocol for Interrogating the Kinetic Order of Bimolecular Aryne Trapping Reactions. Organic Letters, 2014, 16, 254-257.	4.6	43
50	Mechanism of the Reactions of Alcohols with o-Benzynes. Journal of the American Chemical Society, 2014, 136, 13657-13665.	13.7	61
51	Alkane desaturation by concerted double hydrogen atom transfer to benzyne. Nature, 2013, 501, 531-534.	27.8	135
52	Synthesis of complex benzenoids via the intermediate generation of o-benzynes through the hexadehydro-Diels-Alder reaction. Nature Protocols, 2013, 8, 501-508.	12.0	55
53	The hexadehydro-Dielsâ€“Alder reaction. Nature, 2012, 490, 208-212.	27.8	376
54	A Concise Total Synthesis of (Â±)- and (â^')-Okilactomycin D. Organic Letters, 2012, 14, 828-831.	4.6	16