De-Cai Xiong

List of Publications by Year
in descending order

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53 papers	1,138 citations	471371 17 h-index	414303 32 g-index
67 all docs	67 docs citations	67 times ranked	1042 citing authors

#	Article	IF	Citations
1	Total synthesis of mycobacterial arabinogalactan containing 92 monosaccharide units. Nature Communications, 2017, 8, 14851.	5.8	150
2	Oxidant-Controlled Heck-Type C-Glycosylation of Glycals with Arylboronic Acids: Stereoselective Synthesis of Aryl 2-Deoxy-C-glycosides. Organic Letters, 2009, 11, 1709-1712.	2.4	103
3	Stereoselective Koenigsâ€“Knorr Glycosylation Catalyzed by Urea. Angewandte Chemie - International Edition, 2016, 55, 8041-8044.	7.2	97
4	Direct Câ€“H Trifluoromethylation of Glycals by Photoredox Catalysis. Organic Letters, 2015, 17, 5698-5701.	2.4	58
5	Photoinduced Câ€“S Bond Cleavage of Thioglycosides and Glycosylation. Organic Letters, 2015, 17, 5606-5609.	2.4	53
6	Stereoselective Electroâ€2â€deoxyglycosylation from Glycals. Angewandte Chemie - International Edition, 2020, 59, 15204-15208.	7.2	39
7	Light-driven highly efficient glycosylation reactions. Organic Chemistry Frontiers, 2016, 3, 737-743.	2.3	38
8	â€œRing Openingâ€“Ring Closureâ€•Strategy for the Synthesis of Aryl-C-glycosides. Journal of Organic Chemistry, 2014, 79, 4676-4686.	1.7	37
9	Enabling Wittig reaction on site-specific protein modification. Chemical Communications, 2012, 48, 11079.	2.2	34
10	Rapid probing of sialylated glycoproteins in vitro and in vivo via metabolic oligosaccharide engineering of a minimal cyclopropene reporter. Organic and Biomolecular Chemistry, 2015, 13, 3911-3917.	1.5	34
11	Bromodimethylsulfonium Bromideâ€Silver Triflate: A New Powerful Promoter System for the Activation of Thioglycosides. Advanced Synthesis and Catalysis, 2008, 350, 1696-1700.	2.1	33
12	Visible Light Photoredox-Catalyzed O-Sialylation Using Thiosialoside Donors. Journal of Organic Chemistry, 2016, 81, 7134-7138.	1.7	33
13	Highly Substituted Cyclopentaneâ€“CMP Conjugates as Potent Sialyltransferase Inhibitors. Journal of Medicinal Chemistry, 2015, 58, 7972-7990.	2.9	31
14	Stereocontrolled Synthesis of 2-Deoxy-C-glycopyranosyl Arenes Using Glycals and Aromatic Amines. Organic Letters, 2018, 20, 3079-3082.	2.4	28
15	ortho-Methylphenylthioglycosides as glycosyl building blocks for preactivation-based oligosaccharide synthesis. Carbohydrate Research, 2014, 384, 1-8.	1.1	20
16	Synthetic phenylethanoid glycoside derivatives as potent neuroprotective agents. European Journal of Medicinal Chemistry, 2015, 95, 313-323.	2.6	19
17	Additive-controlled stereoselective glycosylations of 2,3-oxazolidinone protected glucosamine or galactosamine thioglycoside donors with phenols based on preactivation protocol. Carbohydrate Research, 2015, 403, 104-114.	1.1	18
18	Synthesis of 2-deoxy-C-glycosides via Lewis acid-mediated rearrangement of 2,3-anhydro-1-thiopyranosides. Organic Chemistry Frontiers, 2014, 1, 798-806.	2.3	17

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19	Stereoselective Synthesis of the Trisaccharide Moiety of Ganglioside HLG-2. Journal of Organic Chemistry, 2014, 79, 797-802.	1.7	15
20	2-Trifluoromethylthiolation of glycals. Organic and Biomolecular Chemistry, 2016, 14, 6403-6406.	1.5	15
21	Electrochemical Trifluoromethylation of Glycals. Journal of Organic Chemistry, 2021, 86, 16187-16194.	1.7	15
22	Advances in the Synthesis of C-Glycosides from Glycals. Chinese Journal of Organic Chemistry, 2020, 40, 3094.	0.6	15
23	2-Pyridyl glycoside: an alternative glycosyl donor in preactivation protocol. Tetrahedron Letters, 2015, 56, 211-214.	0.7	14
24	Synthesis and Antigenic Evaluation of Oligosaccharide Mimics of Vi Antigen from Salmonella typhi. Chemistry - A European Journal, 2017, 23, 10670-10677.	1.7	13
25	Total synthesis of tumor-associated KH-1 antigen core nonasaccharideviaphoto-induced glycosylation. Organic Chemistry Frontiers, 2020, 7, 1255-1259.	2.3	13
26	Synthesis of novel N-glycoside derivatives via CuSCN-catalyzed reactions and their SGLT2 inhibition activities. Tetrahedron, 2015, 71, 4909-4919.	1.0	12
27	A five-component one-pot synthesis of phosphatidylinositol pentamannoside (PIM5). Chinese Chemical Letters, 2018, 29, 1340-1342.	4.8	12
28	Chemical synthesis and biological evaluation of penta- to octa- saccharide fragments of Vi polysaccharide fromSalmonella typhi. Organic Chemistry Frontiers, 2018, 5, 2179-2188.	2.3	12
29	C-Glycosylation enabled by N-(glycosyloxy)acetamides. Organic and Biomolecular Chemistry, 2020, 18, 3043-3046.	1.5	12
30	Nâ€Arylatedâ€Lactamâ€Type Iminosugars as New Immunosuppressive Agents: Discovery, Optimization, and Biological Evaluation. Chemistry - an Asian Journal, 2014, 9, 2260-2271.	1.7	11
31	Stereoselective Koenigsâ€“Knorr Glycosylation Catalyzed by Urea. Angewandte Chemie, 2016, 128, 8173-8176.	1.6	11
32	Total Synthesis of a Hyperbranched Nâ€Linked Hexasaccharide Attached to ATCVâ€1 Major Capsid Protein without Precedent. Chinese Journal of Chemistry, 2019, 37, 42-48.	2.6	11
33	Stereoselective Electroâ€2â€deoxyglycosylation from Glycals. Angewandte Chemie, 2020, 132, 15316-15320.	1.6	11
34	Iterative Synthesis of 2â€Deoxyoligosaccharides Enabled by Stereoselective Visibleâ€Lightâ€Promoted Glycosylation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
35	KOtBu-mediated aromatic O-glycosylation of 1,2-anhydrosugar and aryl boronic acid. Tetrahedron Letters, 2016, 57, 1372-1374.	0.7	10
36	O-Glycosylation Enabled by N-(Glycosyloxy)acetamides. Journal of Organic Chemistry, 2018, 83, 8292-8303.	1.7	10

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37	Nitro-polyols via Pyridine Promoted Câ•C Cleavage of 2-Nitroglycals. Application to the Synthesis of (â^')-Hyacinthacine A1. Organic Letters, 2016, 18, 568-571.	2.4	9
38	Copper-mediated O-arylation of lactols with aryl boronic acids. Chinese Chemical Letters, 2019, 30, 1533-1537.	4.8	9
39	Synthesis of triazolyl-linked polysialic acids. Tetrahedron, 2014, 70, 9405-9412.	1.0	8
40	Synthesis of N-dialkylphosphoryl iminosugar derivatives and their immunosuppressive activities. Organic and Biomolecular Chemistry, 2015, 13, 9364-9368.	1.5	7
41	N -9 Alkylation of purines via light-promoted and metal-free radical relay. Chinese Chemical Letters, 2018, 29, 61-64.	4.8	6
42	Visible-light-promoted 3,5-dimethoxyphenyl glycoside activation and glycosylation. Chemical Communications, 2021, 57, 10899-10902.	2.2	6
43	Synthesis of Î±-C-Glycosides by Samarium Diiodide Mediated Coupling of Glycosyl Pyridyl Sulfones with Alkenes. Synlett, 2011, 2011, 2410-2414.	1.0	5
44	Syntheses of novel acarviosin analogs with anhydro or unsaturated sugar moieties. Tetrahedron, 2012, 68, 9355-9363.	1.0	4
45	Synthesis and Immunological Evaluation of Pentamannose-Based HIV-1 Vaccine Candidates. Bioconjugate Chemistry, 2022, 33, 807-820.	1.8	4
46	Novel carbohydrate-triazole derivatives as potential Î±-glucosidase inhibitors. Chinese Journal of Natural Medicines, 2020, 18, 729-737.	0.7	3
47	Additive-controlled synthesis of 1- and 2-deoxysugars from thioglycosides. Journal of Carbohydrate Chemistry, 2021, 40, 479-500.	0.4	3
48	Electrochemical Bromination of Glycals. Frontiers in Chemistry, 2021, 9, 796690.	1.8	3
49	Rapid glycosylation of 2â€²-benzoylphenyl glycosides promoted by TfOH. Organic Chemistry Frontiers, 2019, 6, 2756-2759.	2.3	2
50	Carbocyclic Ring Closure of Aryl C-Glycosides Promoted by Fluoroboric Acid. Journal of Organic Chemistry, 2020, 85, 9339-9346.	1.7	1
51	Design, synthesis and evaluation of carbamate-containing sialyltransferase inhibitors. Journal of Chinese Pharmaceutical Sciences, 2020, 29, 29-44.	0.4	1
52	Iterative Synthesis of 2â€Deoxyoligosaccharides Enabled by Stereoselective Visibleâ€Light Promoted Glycosylation. Angewandte Chemie, 0, , .	1.6	1
53	Innentitelbild: Iterative Synthesis of 2â€Deoxyoligosaccharides Enabled by Stereoselective Visibleâ€Lightâ€Promoted Glycosylation (Angew. Chem. 20/2022). Angewandte Chemie, 2022, 134, .	1.6	0