

Clay S Bennett

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

896
citations

16
h-index

29
g-index

54
ext. papers

1,118
ext. citations

8.4
avg, IF

5.17
L-index

#	Paper	IF	Citations
48	Methods for 2-Deoxyglycoside Synthesis. <i>Chemical Reviews</i> , 2018 , 118, 7931-7985	68.1	132
47	A reagent-controlled SN ₂ -glycosylation for the direct synthesis of linked 2-deoxy-sugars. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5740-4	16.4	112
46	Reagent controlled E-specific dehydrative glycosylation reactions with 2-deoxy-sugars. <i>Organic Letters</i> , 2013 , 15, 4170-3	6.2	65
45	Cyclopropenium cation promoted dehydrative glycosylations using 2-deoxy- and 2,6-dideoxy-sugar donors. <i>Organic Letters</i> , 2011 , 13, 2814-7	6.2	58
44	Reagent-Controlled E-selective Dehydrative Glycosylation of 2,6-Dideoxy- and 2,3,6-Trideoxy Sugars. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10088-92	16.4	47
43	Halide Effects on Cyclopropenium Cation Promoted Glycosylation with Deoxy Sugars: Highly E-selective Glycosylations Using a 3,3-Dibromo-1,2-diphenylcyclopropene Promoter. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 4927-4930	3.2	39
42	Mild Method for 2-Naphthylmethyl Ether Protecting Group Removal Using a Combination of 2,3-Dichloro-5,6-dicyano-1,4-benzoquinone (DDQ) and Pinene. <i>Journal of Organic Chemistry</i> , 2017 , 82, 3926-3934	4.2	38
41	Principles of modern solid-phase oligosaccharide synthesis. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 1686-98	3.9	36
40	Matched/Mismatched Interactions in Chiral Brønsted Acid-Catalyzed Glycosylation Reactions with 2-Deoxy-Sugar Trichloroacetimidate Donors. <i>Journal of Carbohydrate Chemistry</i> , 2014 , 33, 423-434	1.7	35
39	An air- and water-stable iodonium salt promoter for facile thioglycoside activation. <i>Organic Letters</i> , 2014 , 16, 1780-2	6.2	29
38	An Improved Approach to the Direct Construction of 2-Deoxy-linked Sugars: Applications to Oligosaccharide Synthesis. <i>Chemistry - A European Journal</i> , 2018 , 24, 7610-7614	4.8	28
37	Fucosylated Molecules Competitively Interfere with Cholera Toxin Binding to Host Cells. <i>ACS Infectious Diseases</i> , 2018 , 4, 758-770	5.5	28
36	Matching Glycosyl Donor Reactivity to Sulfonate Leaving Group Ability Permits S ₂ Glycosylations. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16743-16754	16.4	26
35	Recent Developments in Stereoselective Chemical Glycosylation. <i>Asian Journal of Organic Chemistry</i> , 2019 , 8, 802-813	3	25
34	Challenges in the Conversion of Manual Processes to Machine-Assisted Syntheses: Activation of Thioglycoside Donors with Aryl(trifluoroethyl)iodonium Triflimide. <i>Organic Letters</i> , 2018 , 20, 800-803	6.2	17
33	Synthesis of the Hexasaccharide Fragment of Landomycin A Using a Mild, Reagent-Controlled Approach. <i>Organic Letters</i> , 2019 , 21, 3674-3677	6.2	16
32	Reagent-Controlled E-selective Dehydrative Glycosylation of 2,6-Dideoxy- and 2,3,6-Trideoxy Sugars. <i>Angewandte Chemie</i> , 2016 , 128, 10242-10246	3.6	15

31	Reagent-Controlled Synthesis of the Branched Trisaccharide Fragment of the Antibiotic Saccharomicin B. <i>Organic Letters</i> , 2018 , 20, 3413-3417	6.2	15
30	Reagent Controlled Direct Dehydrative Glycosylation with 2-Deoxy Sugars: Construction of the Saquayamycin Z Pentasaccharide. <i>Organic Letters</i> , 2019 , 21, 5922-5927	6.2	13
29	Aryl(trifluoroethyl)iodonium Triflimide and Nitrile Solvent Systems: A Combination for the Stereoselective Synthesis of Armed 1,2-trans-Glycosides at Noncryogenic Temperatures. <i>Organic Letters</i> , 2015 , 17, 6262-5	6.2	13
28	Versatile Glycosyl Sulfonates in Selective C-Glycosylation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4304-4308	16.4	13
27	Stereospecific Synthesis of the Saccharosamine-Rhamnose-Fucose Fragment Present in Saccharomicin B. <i>Organic Letters</i> , 2018 , 20, 4695-4698	6.2	10
26	Application of Armed, Disarmed, Superarmed, and Superdisarmed Building Blocks in Stereocontrolled Glycosylation and Expeditious Oligosaccharide Synthesis 2017 , 29-58		9
25	Glycosylation with Glycosyl Sulfonates 2017 , 115-133		8
24	Solvent Effect on Glycosylation 2017 , 59-77		8
23	Brønsted- and Lewis-Acid-Catalyzed Glycosylation 2017 , 155-172		8
22	Rapid Preparation of 2,6-Dideoxy Sugar Libraries through Gold-Catalyzed Homopropargyl Orthoester Cyclization. <i>Organic Letters</i> , 2019 , 21, 9646-9651	6.2	7
21	Selective Glycosylations with Furanosides 2017 , 297-326		6
20	Reagent-Controlled Selective Dehydrative Glycosylation of 2,6-Dideoxy Sugars: Construction of the Arugomycin Tetrasaccharide. <i>Organic Letters</i> , 2020 , 22, 3649-3654	6.2	6
19	Stereoselective Glycosylations Additions to Oxocarbenium Ions 2017 , 1-28		4
18	Selective Glycosylations with Deoxy Sugars 2017 , 277-295		3
17	Stereoselective C-Glycosylation from Glycal Scaffolds 2017 , 135-153		3
16	Modular continuous flow synthesis of orthogonally protected 6-deoxy glucose glycals. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 3254-3257	3.9	3
15	Versatile Glycosyl Sulfonates in Selective C-Glycosylation. <i>Angewandte Chemie</i> , 2020 , 132, 4334-4338	3.6	3
14	Synthesis of the Non-Reducing Hexasaccharide Fragment of Saccharomicin B. <i>Organic Letters</i> , 2018 , 20, 7598-7602	6.2	3

13	Intramolecular Aglycon Delivery toward 1,2- cis Selective Glycosylation 2017 , 79-96		2
12	Regioselective Glycosylation Methods 2017 , 231-253		2
11	Regioselective, One-Pot Functionalization of Carbohydrates 2017 , 255-276		2
10	De novo Asymmetric Synthesis of Carbohydrate Natural Products 2017 , 327-351		2
9	Automated, Multistep Continuous-Flow Synthesis of 2,6-Dideoxy and 3-Amino-2,3,6-trideoxy Monosaccharide Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23171-23175	16.4	2
8	Photochemical Glycosylation 2017 , 211-230		1
7	Chemical Synthesis of Sialosides 2017 , 355-370		1
6	Chiral Auxiliaries in Stereoselective Glycosylation Reactions 2017 , 97-113		1
5	Synthesis of 2-Deoxyglycosides 2021 , 286-312		0
4	The Crossroads of Glycoscience, Infection, and Immunology. <i>Frontiers in Microbiology</i> , 2021 , 12, 731008	5.7	0
3	Nickel-Catalyzed Stereoselective Formation of 1,2- cis -2-Aminoglycosides 2017 , 173-210		3
2	Glycosyl Sulfonates Beyond Triflates. <i>Chemical Record</i> , 2021 , 21, 3102-3111		6.6
1	Automated, Multistep Continuous-Flow Synthesis of 2,6-Dideoxy and 3-Amino-2,3,6-trideoxy Monosaccharide Building Blocks. <i>Angewandte Chemie</i> , 2021 , 133, 23355		3.6