Richard R Schmidt

List of Publications by Year
in descending order

40 papers	4,463 citations	279487 23 h-index	288905 40 g-index
40 all docs	40 docs citations	40 times ranked	2326 citing authors

#	Article	IF	Citations
1	Preparation of Tea Aroma Precursor Glycosides: An Efficient and Sustainable Approach via Chemical Glycosidation. Journal of Agricultural and Food Chemistry, 2022, 70, 2320-2327.	2.4	1
2	Divergent Synthesis of Core m1, Core m2 and Core m3 <scp>Oâ€Mannosyl</scp> Glycopeptides via a Chemoenzymatic Approach. Chinese Journal of Chemistry, 2022, 40, 1571-1577.	2.6	3
3	Regioselective benzoylation of unprotected Î²-glycopyranosides with benzoyl cyanide and an amine catalyst â€“ application to saponin synthesis. Organic Chemistry Frontiers, 2021, 8, 260-265.	2.3	4
4	O-Glycosyl Trichloroacetimidates as Glycosyl Donors and Platinum(IV) Chloride as a Dual Catalyst Permitting Stereo- and Regioselective Glycosidations. ACS Catalysis, 2021, 11, 10279-10287.	5.5	10
5	Catalytic Regioselective Benzoylation of 1,2-trans-Diols in Carbohydrates with Benzoyl Cyanide: The Axial Oxy Group Effect and the Action of Achiral and Chiral Amine Catalysts. ACS Catalysis, 2020, 10, 11406-11416.	5.5	12
6	Dual-Participation Protecting Group Solves the Anomeric Stereocontrol Problems in Glycosylation Reactions. Organic Letters, 2019, 21, 8713-8717.	2.4	27
7	1â€Picolinylâ€5â€azido Thiosialosides: Versatile Donors for the Stereoselective Construction of Sialyl Linkages. Angewandte Chemie, 2019, 131, 17156-17164.	1.6	5
8	1â€Picolinylâ€5â€azido Thiosialosides: Versatile Donors for the Stereoselective Construction of Sialyl Linkages. Angewandte Chemie - International Edition, 2019, 58, 17000-17008.	7.2	19
9	The 2,2-Dimethyl-2-(ortho-nitrophenyl)acetyl (DMNPA) Group: A Novel Protecting Group in Carbohydrate Chemistry. Organic Letters, 2019, 21, 8049-8052.	2.4	18
10	Diversity-Oriented Synthesis of Steviol Glycosides. Journal of Organic Chemistry, 2018, 83, 11480-11492.	1.7	7
11	Regioselective One-Pot Benzoylation of Triol and Tetraol Arrays in Carbohydrates. Organic Letters, 2018, 20, 3862-3865.	2.4	10
12	Acidâ€“Base Catalysis in Glycosidations: A Nature Derived Alternative to the Generally Employed Methodology. Accounts of Chemical Research, 2017, 50, 1171-1183.	7.6	96
13	Regioselective Acylation of Diols and Triols: The Cyanide Effect. Journal of the American Chemical Society, 2016, 138, 6002-6009.	6.6	51
14	2-Nitro-thioglycosides: Î±- and Î²-Selective Generation and Their Potential as Î²-Selective Glycosyl Donors. Organic Letters, 2015, 17, 1421-1424.	2.4	22
15	An Alternative Reaction Course in O-Glycosidation with O-Glycosyl Trichloroacetimidates as Glycosyl Donors and Lewis Acidic Metal Salts as Catalyst: Acidâ€“Base Catalysis with Gold Chloride-Glycosyl Acceptor Adducts. Journal of the American Chemical Society, 2015, 137, 12653-12659.	6.6	88
16	Human L-Ficolin Recognizes Phosphocholine Moieties of Pneumococcal Teichoic Acid. Journal of Immunology, 2014, 193, 5699-5708.	0.4	27
17	Cooperative Catalysis in Glycosidation Reactions with Oâ€Glycosyl Trichloroacetimidates as Glycosyl Donors. Angewandte Chemie - International Edition, 2013, 52, 10089-10092.	7.2	117
18	Organocatalysis for the Acidâ€Free Oâ€Arylidenation of Carbohydrates. European Journal of Organic Chemistry, 2013, 2013, 7035-7040.	1.2	22

#	Article	IF	Citations
19	Intramolecular Glycosidation by Click Reaction Mediated Spacer Generation Followed by Spacer Cleavage. European Journal of Organic Chemistry, 2012, 2012, 6846-6851.	1.2	17
20	Disaccharideâ€Containing Macrocycles by Click Chemistry and Intramolecular Glycosylation. European Journal of Organic Chemistry, 2012, 2012, 2945-2956.	1.2	41
21	Reversal of Anomeric Selectivity with Oâ€Glycosyl Trichloroacetimidates as Glycosyl Donors and Thiols as Acceptors Under Acid/Base Catalysis. European Journal of Organic Chemistry, 2012, 2012, 2715-2719.	1.2	20
22	Silicon Fluorides for Acidâ€Base Catalysis in Glycosidations. Advanced Synthesis and Catalysis, 2012, 354, 1489-1499.	2.1	37
23	Glycoside Bond Formation via Acidâ€“Base Catalysis. Organic Letters, 2011, 13, 3612-3615.	2.4	81
24	N-Aryl-O-glycosyl Haloacetimidates as Glycosyl Donors. Journal of Carbohydrate Chemistry, 2010, 29, 61-75.	0.4	30
25	New Principles for Glycosideâ€Bond Formation. Angewandte Chemie - International Edition, 2009, 48, 1900-1934.	7.2	805
26	New Aspects of Glycoside Bond Formation: Solid-Phase Oligosaccharide Synthesis. ACS Symposium Series, 2007, , 209-236.	0.5	12
27	A New Strategy for the Synthesis of Dinucleotides Loaded with Glycosylated Amino Acids-Investigations on in vitro Non-natural Amino Acid Mutagenesis for Glycoprotein Synthesis. ChemBioChem, 2005, 6, 1805-1816.	1.3	13
28	2-Nitro Thioglycoside Donors:â€‰ Versatile Precursors of Î²-d-Glycosides of Aminosugars. Organic Letters, 2004, 6, 1551-1554.	2.4	38
29	Synthesis of the Sialyl Lewis X Epitope Attached to Glycolipids with Different Core Structures and their Selectin-Binding Characteristics in a Dynamic Test System. Chemistry - A European Journal, 2000, 6, 111-122.	1.7	57
30	IntramolecularO-Glycoside Bond Formation. Chemical Reviews, 2000, 100, 4423-4442.	23.0	181
31	Expression, Purification, and Characterization of TylB, an Aminotransferase Involved in the Biosynthesis of Mycaminose. Journal of the American Chemical Society, 1999, 121, 7166-7167.	6.6	31
32	8-O-Sialylation of Neuraminic Acid. Journal of the American Chemical Society, 1998, 120, 5434-5440.	6.6	84
33	New catalysts for the glycosyl transfer with O-glycosyl trichloroacetimidates. Tetrahedron Letters, 1990, 31, 327-329.	0.7	69
34	Synthesis of 6-deoxy-6-sulfo-Î±-d-glucopyranosyl phosphate. Carbohydrate Research, 1989, 191, 21-28.	1.1	39
35	Azidosphingosine Glycosylation in Glycosphingolipid Synthesis. Journal of Carbohydrate Chemistry, 1988, 7, 435-452.	0.4	120
36	New Methods for the Synthesis of Glycosides and Oligosaccharides?Are There Alternatives to the Koenigs-Knorr Method? [New Synthetic Methods (56)]. Angewandte Chemie International Edition in English, 1986, 25, 212-235.	4.4	1,357

#	Article	IF	Citations
37	Glycosylimidate, 10. Glycosylphosphate aus Glycosyl(trichloracetimidaten). Liebigs Annalen Der Chemie, 1984, 1984, 680-691.	0.8	67
38	Synthesis of C-?- and C-?-D-Glucopyranosyl Derivatives fromO-(?-D-Glucopyranosyl) Trichloroacetimidate. Angewandte Chemie International Edition in English, 1983, 22, 406-406.	4.4	19
39	Facile Synthesis ofÎ±- andÎ²-O-Glycosyl Imidates; Preparation of Glycosides and Disaccharides. Angewandte Chemie International Edition in English, 1980, 19, 731-732.	4.4	747
40	Facile, Highly Selective Synthesis of ?- and ?-Disaccharides from 1-O-MetalatedD-Ribofuranoses. Angewandte Chemie International Edition in English, 1979, 18, 466-467.	4.4	59