

# Richard R Schmidt

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/669229/publications.pdf>

Version: 2024-02-01

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	New Methods for the Synthesis of Glycosides and Oligosaccharides? Are There Alternatives to the Koenigs-Knorr Method? [New Synthetic Methods (56)]. <i>Angewandte Chemie International Edition in English</i> , 1986, 25, 212-235.	4.4	1,357
2	New Principles for Glycoside-Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1900-1934.	7.2	805
3	Facile Synthesis of $\alpha$ - and $\beta$ -O-Glycosyl Imidates; Preparation of Glycosides and Disaccharides. <i>Angewandte Chemie International Edition in English</i> , 1980, 19, 731-732.	4.4	747
4	Intramolecular O-Glycoside Bond Formation. <i>Chemical Reviews</i> , 2000, 100, 4423-4442.	23.0	181
5	Azidosphingosine Glycosylation in Glycosphingolipid Synthesis. <i>Journal of Carbohydrate Chemistry</i> , 1988, 7, 435-452.	0.4	120
6	Cooperative Catalysis in Glycosidation Reactions with <i>O</i> -Glycosyl Trichloroacetimidates as Glycosyl Donors. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10089-10092.	7.2	117
7	Acid-Base Catalysis in Glycosidations: A Nature Derived Alternative to the Generally Employed Methodology. <i>Accounts of Chemical Research</i> , 2017, 50, 1171-1183.	7.6	96
8	An Alternative Reaction Course in <i>O</i> -Glycosidation with <i>O</i> -Glycosyl Trichloroacetimidates as Glycosyl Donors and Lewis Acidic Metal Salts as Catalyst: Acid-Base Catalysis with Gold Chloride-Glycosyl Acceptor Adducts. <i>Journal of the American Chemical Society</i> , 2015, 137, 12653-12659.	6.6	88
9	8-O-Sialylation of Neuraminic Acid. <i>Journal of the American Chemical Society</i> , 1998, 120, 5434-5440.	6.6	84
10	Glycoside Bond Formation via Acid-Base Catalysis. <i>Organic Letters</i> , 2011, 13, 3612-3615.	2.4	81
11	New catalysts for the glycosyl transfer with <i>O</i> -glycosyl trichloroacetimidates. <i>Tetrahedron Letters</i> , 1990, 31, 327-329.	0.7	69
12	Glycosylimidate, 10. Glycosylphosphate aus Glycosyl(trichloroacetimidaten). <i>Liebigs Annalen Der Chemie</i> , 1984, 1984, 680-691.	0.8	67
13	Facile, Highly Selective Synthesis of $\alpha$ - and $\beta$ -Disaccharides from 1-O-Metalated D-Ribofuranoses. <i>Angewandte Chemie International Edition in English</i> , 1979, 18, 466-467.	4.4	59
14	Synthesis of the Sialyl Lewis X Epitope Attached to Glycolipids with Different Core Structures and their Selectin-Binding Characteristics in a Dynamic Test System. <i>Chemistry - A European Journal</i> , 2000, 6, 111-122.	1.7	57
15	Regioselective Acylation of Diols and Triols: The Cyanide Effect. <i>Journal of the American Chemical Society</i> , 2016, 138, 6002-6009.	6.6	51
16	Disaccharide-Containing Macrocycles by Click Chemistry and Intramolecular Glycosylation. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2945-2956.	1.2	41
17	Synthesis of 6-deoxy-6-sulfo- $\alpha$ -D-glucopyranosyl phosphate. <i>Carbohydrate Research</i> , 1989, 191, 21-28.	1.1	39
18	2-Nitro Thioglycoside Donors: Versatile Precursors of $\beta$ -D-Glycosides of Aminosugars. <i>Organic Letters</i> , 2004, 6, 1551-1554.	2.4	38

#	ARTICLE	IF	CITATIONS
19	Silicon Fluorides for Acid-Base Catalysis in Glycosidations. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1489-1499.	2.1	37
20	Expression, Purification, and Characterization of TylB, an Aminotransferase Involved in the Biosynthesis of Mycaminose. <i>Journal of the American Chemical Society</i> , 1999, 121, 7166-7167.	6.6	31
21	N-Aryl-O-glycosyl Haloacetimidates as Glycosyl Donors. <i>Journal of Carbohydrate Chemistry</i> , 2010, 29, 61-75.	0.4	30
22	Human L-Ficolin Recognizes Phosphocholine Moieties of Pneumococcal Teichoic Acid. <i>Journal of Immunology</i> , 2014, 193, 5699-5708.	0.4	27
23	Dual-Participation Protecting Group Solves the Anomeric Stereocontrol Problems in Glycosylation Reactions. <i>Organic Letters</i> , 2019, 21, 8713-8717.	2.4	27
24	Organocatalysis for the Acid-Free <i>O</i> -Arylidenation of Carbohydrates. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7035-7040.	1.2	22
25	2-Nitro-thioglycosides: $\hat{1}$ - and $\hat{2}$ -Selective Generation and Their Potential as $\hat{2}$ -Selective Glycosyl Donors. <i>Organic Letters</i> , 2015, 17, 1421-1424.	2.4	22
26	Reversal of Anomeric Selectivity with <i>O</i> -Glycosyl Trichloroacetimidates as Glycosyl Donors and Thiols as Acceptors Under Acid/Base Catalysis. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2715-2719.	1.2	20
27	Synthesis of C- $\beta$ - and C- $\beta$ -D-Glucopyranosyl Derivatives from O-( $\beta$ -D-Glucopyranosyl) Trichloroacetimidate. <i>Angewandte Chemie International Edition in English</i> , 1983, 22, 406-406.	4.4	19
28	$1\alpha$ -Picolinyl- $5\alpha$ -Cazido Thiosialosides: Versatile Donors for the Stereoselective Construction of Sialyl Linkages. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17000-17008.	7.2	19
29	The 2,2-Dimethyl-2-(ortho-nitrophenyl)acetyl (DMNPA) Group: A Novel Protecting Group in Carbohydrate Chemistry. <i>Organic Letters</i> , 2019, 21, 8049-8052.	2.4	18
30	Intramolecular Glycosidation by Click Reaction Mediated Spacer Generation Followed by Spacer Cleavage. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6846-6851.	1.2	17
31	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. <i>ChemBioChem</i> , 2005, 6, 1805-1816.	1.3	13
32	New Aspects of Glycoside Bond Formation: Solid-Phase Oligosaccharide Synthesis. <i>ACS Symposium Series</i> , 2007, , 209-236.	0.5	12
33	Catalytic Regioselective Benzoylation of 1,2- <i>trans</i> -Diols in Carbohydrates with Benzoyl Cyanide: The Axial Oxy Group Effect and the Action of Achiral and Chiral Amine Catalysts. <i>ACS Catalysis</i> , 2020, 10, 11406-11416.	5.5	12
34	Regioselective One-Pot Benzoylation of Triol and Tetraol Arrays in Carbohydrates. <i>Organic Letters</i> , 2018, 20, 3862-3865.	2.4	10
35	<i>O</i> -Glycosyl Trichloroacetimidates as Glycosyl Donors and Platinum(IV) Chloride as a Dual Catalyst Permitting Stereo- and Regioselective Glycosidations. <i>ACS Catalysis</i> , 2021, 11, 10279-10287.	5.5	10
36	Diversity-Oriented Synthesis of Steviol Glycosides. <i>Journal of Organic Chemistry</i> , 2018, 83, 11480-11492.	1.7	7

#	ARTICLE	IF	CITATIONS
37	1- <i>Picolinyl</i> -5- <i>azido</i> Thiosialosides: Versatile Donors for the Stereoselective Construction of Sialyl Linkages. <i>Angewandte Chemie</i> , 2019, 131, 17156-17164.	1.6	5
38	Regioselective benzylation of unprotected $\beta$ -glycopyranosides with benzoyl cyanide and an amine catalyst – application to saponin synthesis. <i>Organic Chemistry Frontiers</i> , 2021, 8, 260-265.	2.3	4
39	Divergent Synthesis of Core m1, Core m2 and Core m3 <i>O</i> -Mannosyl Glycopeptides via a Chemoenzymatic Approach. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1571-1577.	2.6	3
40	Preparation of Tea Aroma Precursor Glycosides: An Efficient and Sustainable Approach via Chemical Glycosidation. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2320-2327.	2.4	1