

# Xin-Shan Ye

## List of Publications by Year in descending order

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100  
papers

4,087  
citations

136950

32  
h-index

123424

61  
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102  
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102  
docs citations

102  
times ranked

2526  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>O</i> -GlcNAcylation increases PYGL activity by promoting phosphorylation. <i>Glycobiology</i> , 2022, 32, 101-109.	2.5	7
2	Iterative Synthesis of 2-Deoxyoligosaccharides Enabled by Stereoselective Visible-Light-Promoted Glycosylation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	11
3	Inentitelbild: Iterative Synthesis of 2-Deoxyoligosaccharides Enabled by Stereoselective Visible-Light-Promoted Glycosylation ( <i>Angew. Chem. 20/2022</i> ). <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
4	Synthesis and Immunological Evaluation of Pentamannose-Based HIV-1 Vaccine Candidates. <i>Bioconjugate Chemistry</i> , 2022, 33, 807-820.	3.6	4
5	Donor Preactivation-Based Glycosylation: An Efficient Strategy for Glycan Synthesis. <i>Chinese Journal of Chemistry</i> , 2021, 39, 531-542.	4.9	14
6	Synthesis and immunological evaluation of <i>N</i> -acyl modified Globo H derivatives as anticancer vaccine candidates. <i>RSC Medicinal Chemistry</i> , 2021, 12, 1239-1243.	3.9	10
7	A general approach to C-Acyl glycosides via palladium/copper Co-catalyzed coupling reaction of glycosyl carbothioates and arylboronic acids. <i>Tetrahedron</i> , 2021, 82, 131955.	1.9	9
8	Sensing of mycobacterial arabinogalactan by galectin-9 exacerbates mycobacterial infection. <i>EMBO Reports</i> , 2021, 22, e51678.	4.5	14
9	Electrochemical Trifluoromethylation of Glycals. <i>Journal of Organic Chemistry</i> , 2021, 86, 16187-16194.	3.2	15
10	Influenza Virus Precision Diagnosis and Continuous Purification Enabled by Neuraminidase-Resistant Glycopolymer-Coated Microbeads. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 46260-46269.	8.0	6
11	Glycan Assembly Strategy: From Concept to Application. <i>Chemical Record</i> , 2021, 21, 3256-3277.	5.8	5
12	Synthesis and biological evaluation of bergenin derivatives as new immunosuppressants. <i>RSC Medicinal Chemistry</i> , 2021, 12, 1968-1976.	3.9	1
13	Visible-light-promoted 3,5-dimethoxyphenyl glycoside activation and glycosylation. <i>Chemical Communications</i> , 2021, 57, 10899-10902.	4.1	6
14	Additive-controlled synthesis of 1- and 2-deoxysugars from thioglycosides. <i>Journal of Carbohydrate Chemistry</i> , 2021, 40, 479-500.	1.1	3
15	Electrochemical Bromination of Glycals. <i>Frontiers in Chemistry</i> , 2021, 9, 796690.	3.6	3
16	Stereoselective Electro-2-Deoxyglycosylation from Glycals. <i>Angewandte Chemie</i> , 2020, 132, 15316-15320.	2.0	11
17	Stereoselective Electro-2-Deoxyglycosylation from Glycals. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15204-15208.	13.8	39
18	Recent advances in glycan synthesis. <i>Current Opinion in Chemical Biology</i> , 2020, 58, 20-27.	6.1	18

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19	Carbocyclic Ring Closure of Aryl C-Glycosides Promoted by Fluoroboric Acid. <i>Journal of Organic Chemistry</i> , 2020, 85, 9339-9346.	3.2	1
20	Engineering a bacterial sialyltransferase for di-sialylation of a therapeutic antibody. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2886-2892.	2.8	5
21	C-Glycosylation enabled by N-(glycosyloxy)acetamides. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3043-3046.	2.8	12
22	Total synthesis of tumor-associated KH-1 antigen core nonasaccharide via photo-induced glycosylation. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1255-1259.	4.5	13
23	Fluorine-modified sialyl-Tn-CRM197 vaccine elicits a robust immune response. <i>Glycoconjugate Journal</i> , 2019, 36, 399-408.	2.7	23
24	Copper-mediated O-arylation of lactols with aryl boronic acids. <i>Chinese Chemical Letters</i> , 2019, 30, 1533-1537.	9.0	9
25	Rapid glycosylation of 2- <sup>2</sup> -benzoylphenyl glycosides promoted by TfOH. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2756-2759.	4.5	2
26	Total Synthesis of a Hyperbranched N-Linked Hexasaccharide Attached to ATCV-1 Major Capsid Protein without Precedent. <i>Chinese Journal of Chemistry</i> , 2019, 37, 42-48.	4.9	11
27	N-Alkyl-1,5-dideoxy-1,5-imino-l-fucitols as fucosidase inhibitors: Synthesis, molecular modelling and activity against cancer cell lines. <i>Bioorganic Chemistry</i> , 2019, 84, 418-433.	4.1	15
28	Recent Advances in Chemical Synthesis of Polysaccharides. <i>Acta Chimica Sinica</i> , 2019, 77, 581.	1.4	9
29	Carbohydrate-based vaccines for oncotherapy. <i>Medicinal Research Reviews</i> , 2018, 38, 1003-1026.	10.5	64
30	A five-component one-pot synthesis of phosphatidylinositol pentamannoside (PIM5). <i>Chinese Chemical Letters</i> , 2018, 29, 1340-1342.	9.0	12
31	Synthetic Glycans and Glycomimetics: A Promising Alternative to Natural Polysaccharides. <i>Chemistry - A European Journal</i> , 2018, 24, 6696-6704.	3.3	25
32	Synthesis of N-Substituted Iminosugar Derivatives and Evaluation of Their Immunosuppressive Activities. <i>ChemMedChem</i> , 2018, 13, 338-351.	3.2	3
33	Rational Design of Dimeric Lysine N-Alkylamides as Potent and Broad-Spectrum Antibacterial Agents. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2865-2874.	6.4	46
34	N-9 Alkylation of purines via light-promoted and metal-free radical relay. <i>Chinese Chemical Letters</i> , 2018, 29, 61-64.	9.0	6
35	O-Glycosylation Enabled by N-(Glycosyloxy)acetamides. <i>Journal of Organic Chemistry</i> , 2018, 83, 8292-8303.	3.2	10
36	Stereocontrolled Synthesis of 2-Deoxy-C-glycopyranosyl Arenes Using Glycals and Aromatic Amines. <i>Organic Letters</i> , 2018, 20, 3079-3082.	4.6	28

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37	Frontispiece: Synthetic Glycans and Glycomimetics: A Promising Alternative to Natural Polysaccharides. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
38	Chemical synthesis and biological evaluation of penta- to octa- saccharide fragments of Vi polysaccharide from <i>Salmonella typhi</i> . <i>Organic Chemistry Frontiers</i> , 2018, 5, 2179-2188.	4.5	12
39	Transition State-Based Sialyltransferase Inhibitors: Mimicking Oxocarbenium Ion by Simple Amide. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 2135-2141.	6.4	18
40	Validation, Identification, and Biological Consequences of the Site-specific O-GlcNAcylation Dynamics of Carbohydrate-responsive Element-binding Protein (ChREBP). <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1233-1243.	3.8	23
41	Synthesis and Antigenic Evaluation of Oligosaccharide Mimics of Vi Antigen from <i>Salmonella typhi</i> . <i>Chemistry - A European Journal</i> , 2017, 23, 10670-10677.	3.3	13
42	Synthesis and biological evaluation of N-arylated-lactam-type iminosugars as potential immunosuppressive agents. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5912-5919.	2.8	5
43	General Approach to Five-Membered Nitrogen Heteroaryl <i>C</i> -Glycosides Using a Palladium/Copper Cocatalyzed C-H Functionalization Strategy. <i>Organic Letters</i> , 2017, 19, 3608-3611.	4.6	45
44	Total synthesis of mycobacterial arabinogalactan containing 92 monosaccharide units. <i>Nature Communications</i> , 2017, 8, 14851.	12.8	150
45	A cancer vaccine based on fluorine-modified sialyl-Tn induces robust immune responses in a murine model. <i>Oncotarget</i> , 2017, 8, 47330-47343.	1.8	32
46	Synthesis and immunological evaluation of MUC1 glycopeptide conjugates bearing N-acetyl modified STn derivatives as anticancer vaccines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7226-7237.	2.8	24
47	Stereoselective Koenigs-Knorr Glycosylation Catalyzed by Urea. <i>Angewandte Chemie</i> , 2016, 128, 8173-8176.	2.0	11
48	Stereoselective Koenigs-Knorr Glycosylation Catalyzed by Urea. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8041-8044.	13.8	97
49	Synthesis and Evaluation of Glycoconjugates Comprising <i>N</i> -Acyl-Modified Thomsen-Friedenreich Antigens as Anticancer Vaccines. <i>ChemMedChem</i> , 2016, 11, 1090-1096.	3.2	15
50	Ligand-Controlled Monoselective <i>C</i> -Aryl Glycoside Synthesis via Palladium-Catalyzed C-H Functionalization of <i>N</i> -Quinolyl Benzamides with 1-Iodoglycals. <i>Organic Letters</i> , 2016, 18, 1836-1839.	4.6	69
51	Light-driven highly efficient glycosylation reactions. <i>Organic Chemistry Frontiers</i> , 2016, 3, 737-743.	4.5	38
52	Indolo-quinoline boron difluoride dyes: synthesis and spectroscopic properties. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4185-4188.	2.8	10
53	Altering the Specificity of the Antibody Response to HIV gp120 with a Glycoconjugate Antigen. <i>ACS Chemical Biology</i> , 2016, 11, 1702-1709.	3.4	9
54	Broadly Neutralizing Antibody-Guided Carbohydrate-Based HIV Vaccine Design: Challenges and Opportunities. <i>ChemMedChem</i> , 2016, 11, 357-362.	3.2	11

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55	Visible Light Photoredox-Catalyzed <i>O</i> -Sialylation Using Thiosialoside Donors. <i>Journal of Organic Chemistry</i> , 2016, 81, 7134-7138.	3.2	33
56	Synthesis and immunological evaluation of N-acyl modified Tn analogues as anticancer vaccine candidates. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 915-920.	3.0	18
57	KOtBu-mediated aromatic O-glycosylation of 1,2-anhydrosugar and aryl boronic acid. <i>Tetrahedron Letters</i> , 2016, 57, 1372-1374.	1.4	10
58	Synthetic and immunological studies of N-acyl modified S-linked STn derivatives as anticancer vaccine candidates. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3677-3690.	2.8	33
59	Improvement of the immune efficacy of carbohydrate vaccines by chemical modification on the GM3 antigen. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6399-6406.	2.8	29
60	Iminosugars as Immunomodulating Agents: Synthesis and Biological Activities of 1-Deoxynojirimycin and Related Compounds. <i>Israel Journal of Chemistry</i> , 2015, 55, 336-346.	2.3	24
61	Direct <sup>13</sup> C Trifluoromethylation of Glycals by Photoredox Catalysis. <i>Organic Letters</i> , 2015, 17, 5698-5701.	4.6	58
62	Additive-controlled stereoselective glycosylations of 2,3-oxazolidinone protected glucosamine or galactosamine thioglycoside donors with phenols based on preactivation protocol. <i>Carbohydrate Research</i> , 2015, 403, 104-114.	2.3	18
63	Synthetic phenylethanoid glycoside derivatives as potent neuroprotective agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 95, 313-323.	5.5	19
64	Photoinduced C-S Bond Cleavage of Thioglycosides and Glycosylation. <i>Organic Letters</i> , 2015, 17, 5606-5609.	4.6	53
65	Cyclopropenes for the Synthesis of Cyclopropane-Fused Dihydroquinolines and Benzazepines. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2893-2902.	4.3	15
66	Highly Substituted Cyclopentane-CMP Conjugates as Potent Sialyltransferase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7972-7990.	6.4	31
67	Synthesis of N-dialkylphosphoryl iminosugar derivatives and their immunosuppressive activities. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9364-9368.	2.8	7
68	2-Pyridyl glycoside: an alternative glycosyl donor in preactivation protocol. <i>Tetrahedron Letters</i> , 2015, 56, 211-214.	1.4	14
69	Synthesis of 2-deoxy-C-glycosides via Lewis acid-mediated rearrangement of 2,3-anhydro-1-thiopyranosides. <i>Organic Chemistry Frontiers</i> , 2014, 1, 798-806.	4.5	17
70	Synthesis of triazolyl-linked polysialic acids. <i>Tetrahedron</i> , 2014, 70, 9405-9412.	1.9	8
71	<i>N</i> -Arylated Lactam-Type Iminosugars as New Immunosuppressive Agents: Discovery, Optimization, and Biological Evaluation. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2260-2271.	3.3	11
72	Ring Opening-Ring Closure Strategy for the Synthesis of Aryl-C-glycosides. <i>Journal of Organic Chemistry</i> , 2014, 79, 4676-4686.	3.2	37

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73	ortho-Methylphenylthioglycosides as glycosyl building blocks for preactivation-based oligosaccharide synthesis. <i>Carbohydrate Research</i> , 2014, 384, 1-8.	2.3	20
74	Preactivation: An Alternative Strategy in Stereoselective Glycosylation and Oligosaccharide Synthesis. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 30-49.	2.7	52
75	Neamine-heterocycle conjugates as potential anti-HIV agents. <i>Chinese Chemical Letters</i> , 2013, 24, 273-278.	9.0	4
76	Lewis Acids as $\hat{\pm}$ -Directing Additives in Glycosylations by Using 2,3-O-Carbonate-Protected Glucose and Galactose Thioglycoside Donors Based on Preactivation Protocol. <i>Journal of Organic Chemistry</i> , 2012, 77, 5255-5270.	3.2	35
77	Carbohydrate-based cancer vaccines: target cancer with sugar bullets. <i>Glycoconjugate Journal</i> , 2012, 29, 259-271.	2.7	52
78	Design and syntheses of some iminosugar derivatives as potential immunosuppressants. <i>MedChemComm</i> , 2011, 2, 909.	3.4	15
79	Enhancement of the Immunogenicity of Synthetic Carbohydrate Vaccines by Chemical Modifications of STn Antigen. <i>ACS Chemical Biology</i> , 2011, 6, 252-259.	3.4	80
80	Synthetic N-Alkylated Iminosugars as New Potential Immunosuppressive Agents. <i>ACS Medicinal Chemistry Letters</i> , 2011, 2, 682-686.	2.8	27
81	A Highly $\hat{\pm}$ -Stereoselective Synthesis of Oligosaccharide Fragments of the Viâ€..Antigen from <i>Salmonella typhi</i> and Their Antigenic Activities. <i>Chemistry - A European Journal</i> , 2011, 17, 14518-14526.	3.3	23
82	Synthesis of N-substituted iminosugar derivatives and their immunosuppressive activities. <i>Carbohydrate Research</i> , 2010, 345, 780-786.	2.3	23
83	Rational Design and Synthesis of Highly Potent Pharmacological Chaperones for Treatment of N370S Mutant Gaucher Disease. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 3146-3149.	6.4	61
84	Regio- and stereo-selective synthesis of aryl 2-deoxy-C-glycopyranosides by palladium-catalyzed Heck coupling reactions of glycals and aryl iodides. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3855.	2.8	64
85	Oxidant-Controlled Heck-Type C-Glycosylation of Glycals with Arylboronic Acids: Stereoselective Synthesis of Aryl 2-Deoxy-C-glycosides. <i>Organic Letters</i> , 2009, 11, 1709-1712.	4.6	103
86	An expeditious one-pot synthesis of 1,6-dideoxy-N-alkylated nojirimycin derivatives and their inhibitory effects on the secretion of IFN- $\hat{3}$ and IL-4. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 1605-1612.	3.0	29
87	Stereoselectivity investigation on glycosylation of oxazolidinone protected 2-amino-2-deoxy-d-glucose donors based on pre-activation protocol. <i>Tetrahedron</i> , 2008, 64, 4949-4958.	1.9	50
88	Pre-activation protocol leading to highly stereoselectivity-controllable glycosylations of oxazolidinone protected glucosamines. <i>Chemical Communications</i> , 2008, , 597-599.	4.1	67
89	Highly Direct $\hat{\pm}$ -Selective Glycosylations of 3,4-O-Carbonate-Protected 2-Deoxy- and 2,6-Dideoxythioglycosides by Preactivation Protocol. <i>Organic Letters</i> , 2008, 10, 3445-3448.	4.6	51
90	Syntheses of Lewis <sup>X</sup> and Dimeric Lewis <sup>X</sup> :â€ Construction of Branched Oligosaccharides by a Combination of Preactivation and Reactivity Based Chemoselective One-Pot Glycosylations. <i>Journal of Organic Chemistry</i> , 2007, 72, 8958-8961.	3.2	64

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91	Multi-Component One-Pot Synthesis of the Tumor-Associated Carbohydrate Antigen Globo-H Based on Preactivation of Thioglycosyl Donors. <i>Journal of Organic Chemistry</i> , 2007, 72, 6409-6420.	3.2	134
92	Iterative one-pot syntheses of chitotetroses. <i>Carbohydrate Research</i> , 2006, 341, 1669-1679.	2.3	56
93	An efficient and improved procedure for preparation of triflyl azide and application in catalytic diazotransfer reaction. <i>Tetrahedron Letters</i> , 2005, 46, 8993-8995.	1.4	81
94	Synthetic Iminosugar Derivatives as New Potential Immunosuppressive Agents. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 3688-3691.	6.4	64
95	Iterative One-Pot Synthesis of Oligosaccharides. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5221-5224.	13.8	313
96	Recent development in the design of sialyltransferase inhibitors. <i>Medicinal Research Reviews</i> , 2003, 23, 32-47.	10.5	39
97	Conversion of the carboxy group of sialic acid donors to a protected hydroxymethyl group yields an efficient reagent for the synthesis of the unnatural beta-linkage. <i>Chemical Communications</i> , 2001, , 974-975.	4.1	36
98	Anomeric Reactivity-Based One-Pot Oligosaccharide Synthesis: A Rapid Route to Oligosaccharide Libraries. <i>Journal of Organic Chemistry</i> , 2000, 65, 2410-2431.	3.2	164
99	Programmable One-Pot Oligosaccharide Synthesis. <i>Journal of the American Chemical Society</i> , 1999, 121, 734-753.	13.7	817
100	Iterative Synthesis of 2-Deoxyoligosaccharides Enabled by Stereoselective Visible-Light Promoted Glycosylation. <i>Angewandte Chemie</i> , 0, , .	2.0	1