Xin-Shan Ye

List of Publications by Year
in descending order

100 papers	4,087 citations	136950 32 h-index	123424 61 g-index
102 all docs	102 docs citations	102 times ranked	2526 citing authors

#	Article	IF	Citations
1	Programmable One-Pot Oligosaccharide Synthesis. Journal of the American Chemical Society, 1999, 121, 734-753.	13.7	817
2	Iterative One-Pot Synthesis of Oligosaccharides. Angewandte Chemie - International Edition, 2004, 43, 5221-5224.	13.8	313
3	Anomeric Reactivity-Based One-Pot Oligosaccharide Synthesis:Â A Rapid Route to Oligosaccharide Libraries. Journal of Organic Chemistry, 2000, 65, 2410-2431.	3.2	164
4	Total synthesis of mycobacterial arabinogalactan containing 92 monosaccharide units. Nature Communications, 2017, 8, 14851.	12.8	150
5	Multi-Component One-Pot Synthesis of the Tumor-Associated Carbohydrate Antigen Globo-H Based on Preactivation of Thioglycosyl Donors. Journal of Organic Chemistry, 2007, 72, 6409-6420.	3.2	134
6	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.	4.6	103
7	Stereoselective Koenigsâ€“Knorr Glycosylation Catalyzed by Urea. Angewandte Chemie - International Edition, 2016, 55, 8041-8044.	13.8	97
8	An efficient and improved procedure for preparation of triflyl azide and application in catalytic diazotransfer reaction. Tetrahedron Letters, 2005, 46, 8993-8995.	1.4	81
9	Enhancement of the Immunogenicity of Synthetic Carbohydrate Vaccines by Chemical Modifications of STn Antigen. ACS Chemical Biology, 2011, 6, 252-259.	3.4	80
10	Ligand-Controlled Monoselective C-Aryl Glycoside Synthesis via Palladium-Catalyzed Câ€“H Functionalization of N-Quinolyl Benzamides with 1-Iodoglycals. Organic Letters, 2016, 18, 1836-1839.	4.6	69
11	Pre-activation protocol leading to highly stereoselectivity-controllable glycosylations of oxazolidinone protected glucosamines. Chemical Communications, 2008, , 597-599.	4.1	67
12	Synthetic Iminosugar Derivatives as New Potential Immunosuppressive Agents. Journal of Medicinal Chemistry, 2005, 48, 3688-3691.	6.4	64
13	Syntheses of Lewis^X and Dimeric Lewis^X:â€‰ Construction of Branched Oligosaccharides by a Combination of Preactivation and Reactivity Based Chemoselective One-Pot Glycosylations. Journal of Organic Chemistry, 2007, 72, 8958-8961.	3.2	64
14	Regio- and stereo-selective synthesis of aryl 2-deoxy-C-glycopyranosides by palladium-catalyzed Heck coupling reactions of glycals and aryl iodides. Organic and Biomolecular Chemistry, 2009, 7, 3855.	2.8	64
15	Carbohydrateâ€based vaccines for oncotherapy. Medicinal Research Reviews, 2018, 38, 1003-1026.	10.5	64
16	Rational Design and Synthesis of Highly Potent Pharmacological Chaperones for Treatment of N370S Mutant Gaucher Disease. Journal of Medicinal Chemistry, 2009, 52, 3146-3149.	6.4	61
17	Direct Câ€“H Trifluoromethylation of Glycals by Photoredox Catalysis. Organic Letters, 2015, 17, 5698-5701.	4.6	58
18	Iterative one-pot syntheses of chitotetroses. Carbohydrate Research, 2006, 341, 1669-1679.	2.3	56

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19	Photoinduced Câ€“S Bond Cleavage of Thioglycosides and Glycosylation. Organic Letters, 2015, 17, 5606-5609.	4.6	53
20	Carbohydrate-based cancer vaccines: target cancer with sugar bullets. Glycoconjugate Journal, 2012, 29, 259-271.	2.7	52
21	Preactivation: An Alternative Strategy in Stereoselective Glycosylation and Oligosaccharide Synthesis. Asian Journal of Organic Chemistry, 2013, 2, 30-49.	2.7	52
22	Highly Direct Î±-Selective Glycosylations of 3,4-O-Carbonate-Protected 2-Deoxy- and 2,6-Dideoxythioglycosides by Preactivation Protocol. Organic Letters, 2008, 10, 3445-3448.	4.6	51
23	Stereoselectivity investigation on glycosylation of oxazolidinone protected 2-amino-2-deoxy-d-glucose donors based on pre-activation protocol. Tetrahedron, 2008, 64, 4949-4958.	1.9	50
24	Rational Design of Dimeric LysineN-Alkylamides as Potent and Broad-Spectrum Antibacterial Agents. Journal of Medicinal Chemistry, 2018, 61, 2865-2874.	6.4	46
25	General Approach to Five-Membered Nitrogen Heteroaryl C-Glycosides Using a Palladium/Copper Cocatalyzed Câ€“H Functionalization Strategy. Organic Letters, 2017, 19, 3608-3611.	4.6	45
26	Recent development in the design of sialyltransferase inhibitors. Medicinal Research Reviews, 2003, 23, 32-47.	10.5	39
27	Stereoselective Electroâ€2â€deoxyglycosylation from Glycals. Angewandte Chemie - International Edition, 2020, 59, 15204-15208.	13.8	39
28	Light-driven highly efficient glycosylation reactions. Organic Chemistry Frontiers, 2016, 3, 737-743.	4.5	38
29	â€œRing Openingâ€“Ring Closureâ€•Strategy for the Synthesis of Aryl-C-glycosides. Journal of Organic Chemistry, 2014, 79, 4676-4686.	3.2	37
30	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. Chemical Communications, 2001, , 974-975.	4.1	36
31	Lewis Acids as Î±-Directing Additives in Glycosylations by Using 2,3-O-Carbonate-Protected Glucose and Galactose Thioglycoside Donors Based on Preactivation Protocol. Journal of Organic Chemistry, 2012, 77, 5255-5270.	3.2	35
32	Synthetic and immunological studies of N-acyl modified S-linked STn derivatives as anticancer vaccine candidates. Organic and Biomolecular Chemistry, 2015, 13, 3677-3690.	2.8	33
33	Visible Light Photoredox-Catalyzed O-Sialylation Using Thiosialoside Donors. Journal of Organic Chemistry, 2016, 81, 7134-7138.	3.2	33
34	A cancer vaccine based on fluorine-modified sialyl-Tn induces robust immune responses in a murine model. Oncotarget, 2017, 8, 47330-47343.	1.8	32
35	Highly Substituted Cyclopentaneâ€“CMP Conjugates as Potent Sialyltransferase Inhibitors. Journal of Medicinal Chemistry, 2015, 58, 7972-7990.	6.4	31
36	An expeditious one-pot synthesis of 1,6-dideoxy-N-alkylated nojirimycin derivatives and their inhibitory effects on the secretion of IFN-Î³ and IL-4. Bioorganic and Medicinal Chemistry, 2008, 16, 1605-1612.	3.0	29

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37	Improvement of the immune efficacy of carbohydrate vaccines by chemical modification on the GM3 antigen. Organic and Biomolecular Chemistry, 2015, 13, 6399-6406.	2.8	29
38	Stereocontrolled Synthesis of 2-Deoxy-C-glycopyranosyl Arenes Using Glycals and Aromatic Amines. Organic Letters, 2018, 20, 3079-3082.	4.6	28
39	Synthetic N-Alkylated Iminosugars as New Potential Immunosuppressive Agents. ACS Medicinal Chemistry Letters, 2011, 2, 682-686.	2.8	27
40	Synthetic Glycans and Glycomimetics: A Promising Alternative to Natural Polysaccharides. Chemistry - A European Journal, 2018, 24, 6696-6704.	3.3	25
41	Iminosugars as Immunomodulating Agents: Synthesis and Biological Activities of 1â€Deoxynojirimycin and Related Compounds. Israel Journal of Chemistry, 2015, 55, 336-346.	2.3	24
42	Synthesis and immunological evaluation of MUC1 glycopeptide conjugates bearing N-acetyl modified STn derivatives as anticancer vaccines. Organic and Biomolecular Chemistry, 2016, 14, 7226-7237.	2.8	24
43	Synthesis of N-substituted iminosugar derivatives and their immunosuppressive activities. Carbohydrate Research, 2010, 345, 780-786.	2.3	23
44	A Highly Î±â€Stereoselective Synthesis of Oligosaccharide Fragments of the Viâ€...Antigen from Salmonella typhi and Their Antigenic Activities. Chemistry - A European Journal, 2011, 17, 14518-14526.	3.3	23
45	Validation, Identification, and Biological Consequences of the Site-specific O-GlcNAcylation Dynamics of Carbohydrate-responsive Element-binding Protein (ChREBP). Molecular and Cellular Proteomics, 2017, 16, 1233-1243.	3.8	23
46	Fluorine-modified sialyl-Tn-CRM197 vaccine elicits a robust immune response. Glycoconjugate Journal, 2019, 36, 399-408.	2.7	23
47	ortho-Methylphenylthioglycosides as glycosyl building blocks for preactivation-based oligosaccharide synthesis. Carbohydrate Research, 2014, 384, 1-8.	2.3	20
48	Synthetic phenylethanoid glycoside derivatives as potent neuroprotective agents. European Journal of Medicinal Chemistry, 2015, 95, 313-323.	5.5	19
49	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.	2.3	18
50	Synthesis and immunological evaluation of N-acyl modified Tn analogues as anticancer vaccine candidates. Bioorganic and Medicinal Chemistry, 2016, 24, 915-920.	3.0	18
51	Transition State-Based Sialyltransferase Inhibitors: Mimicking Oxocarbenium Ion by Simple Amide. Journal of Medicinal Chemistry, 2017, 60, 2135-2141.	6.4	18
52	Recent advances in glycan synthesis. Current Opinion in Chemical Biology, 2020, 58, 20-27.	6.1	18
53	Synthesis of 2-deoxy-C-glycosides via Lewis acid-mediated rearrangement of 2,3-anhydro-1-thiopyranosides. Organic Chemistry Frontiers, 2014, 1, 798-806.	4.5	17
54	Design and syntheses of some iminosugar derivatives as potential immunosuppressants. MedChemComm, 2011, 2, 909.	3.4	15

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55	Cyclopropenes for the Synthesis of Cyclopropaneâ€Fused Dihydroquinolines and Benzazepines. Advanced Synthesis and Catalysis, 2015, 357, 2893-2902.	4.3	15
56	Synthesis and Evaluation of Glycoconjugates Comprising Nâ€Acylâ€Modified Thomsenâ€“Friedenreich Antigens as Anticancer Vaccines. ChemMedChem, 2016, 11, 1090-1096.	3.2	15
57	N-Alkyl-1,5-dideoxy-1,5-imino-l-fucitols as fucosidase inhibitors: Synthesis, molecular modelling and activity against cancer cell lines. Bioorganic Chemistry, 2019, 84, 418-433.	4.1	15
58	Electrochemical Trifluoromethylation of Glycals. Journal of Organic Chemistry, 2021, 86, 16187-16194.	3.2	15
59	2-Pyridyl glycoside: an alternative glycosyl donor in preactivation protocol. Tetrahedron Letters, 2015, 56, 211-214.	1.4	14
60	Donor <scp>Preactivationâ€Based</scp> Glycosylation: An Efficient Strategy for Glycan Synthesis. Chinese Journal of Chemistry, 2021, 39, 531-542.	4.9	14
61	Sensing of mycobacterial arabinogalactan by galectinâ€9 exacerbates mycobacterial infection. EMBO Reports, 2021, 22, e51678.	4.5	14
62	Synthesis and Antigenic Evaluation of Oligosaccharide Mimics of Vi Antigen from Salmonella typhi. Chemistry - A European Journal, 2017, 23, 10670-10677.	3.3	13
63	Total synthesis of tumor-associated KH-1 antigen core nonasaccharideviaphoto-induced glycosylation. Organic Chemistry Frontiers, 2020, 7, 1255-1259.	4.5	13
64	A five-component one-pot synthesis of phosphatidylinositol pentamannoside (PIM5). Chinese Chemical Letters, 2018, 29, 1340-1342.	9.0	12
65	Chemical synthesis and biological evaluation of penta- to octa- saccharide fragments of Vi polysaccharide fromSalmonella typhi. Organic Chemistry Frontiers, 2018, 5, 2179-2188.	4.5	12
66	C-Glycosylation enabled by N-(glycosyloxy)acetamides. Organic and Biomolecular Chemistry, 2020, 18, 3043-3046.	2.8	12
67	Nâ€Arylatedâ€Lactamâ€Type Iminosugars as New Immunosuppressive Agents: Discovery, Optimization, and Biological Evaluation. Chemistry - an Asian Journal, 2014, 9, 2260-2271.	3.3	11
68	Stereoselective Koenigsâ€“Knorr Glycosylation Catalyzed by Urea. Angewandte Chemie, 2016, 128, 8173-8176.	2.0	11
69	Broadly Neutralizing Antibodyâ€Guided Carbohydrateâ€Based HIV Vaccine Design: Challenges and Opportunities. ChemMedChem, 2016, 11, 357-362.	3.2	11
70	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.	4.9	11
71	Stereoselective Electroâ€2â€deoxyglycosylation from Glycals. Angewandte Chemie, 2020, 132, 15316-15320.	2.0	11
72	Iterative Synthesis of 2â€Deoxyoligosaccharides Enabled by Stereoselective Visibleâ€Lightâ€Promoted Glycosylation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	11

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73	Indolo-quinoline boron difluoride dyes: synthesis and spectroscopic properties. Organic and Biomolecular Chemistry, 2016, 14, 4185-4188.	2.8	10
74	KOtBu-mediated aromatic O-glycosylation of 1,2-anhydrosugar and aryl boronic acid. Tetrahedron Letters, 2016, 57, 1372-1374.	1.4	10
75	O-Glycosylation Enabled by N-(Glycosyloxy)acetamides. Journal of Organic Chemistry, 2018, 83, 8292-8303.	3.2	10
76	Synthesis and immunological evaluation ofN-acyl modified Globo H derivatives as anticancer vaccine candidates. RSC Medicinal Chemistry, 2021, 12, 1239-1243.	3.9	10
77	Altering the Specificity of the Antibody Response to HIV gp120 with a Glycoconjugate Antigen. ACS Chemical Biology, 2016, 11, 1702-1709.	3.4	9
78	Copper-mediated O-arylation of lactols with aryl boronic acids. Chinese Chemical Letters, 2019, 30, 1533-1537.	9.0	9
79	A general approach to C-Acyl glycosides via palladium/copper Co-catalyzed coupling reaction of glycosyl carbothioates and arylboronic acids. Tetrahedron, 2021, 82, 131955.	1.9	9
80	Recent Advances in Chemical Synthesis of Polysaccharides. Acta Chimica Sinica, 2019, 77, 581.	1.4	9
81	Synthesis of triazolyl-linked polysialic acids. Tetrahedron, 2014, 70, 9405-9412.	1.9	8
82	Synthesis of N-dialkylphosphoryl iminosugar derivatives and their immunosuppressive activities. Organic and Biomolecular Chemistry, 2015, 13, 9364-9368.	2.8	7
83	O-GlcNAcylation increases PYGL activity by promoting phosphorylation. Glycobiology, 2022, 32, 101-109.	2.5	7
84	N -9 Alkylation of purines via light-promoted and metal-free radical relay. Chinese Chemical Letters, 2018, 29, 61-64.	9.0	6
85	Influenza Virus Precision Diagnosis and Continuous Purification Enabled by Neuraminidase-Resistant Glycopolymer-Coated Microbeads. ACS Applied Materials & Interfaces, 2021, 13, 46260-46269.	8.0	6
86	Visible-light-promoted 3,5-dimethoxyphenyl glycoside activation and glycosylation. Chemical Communications, 2021, 57, 10899-10902.	4.1	6
87	Synthesis and biological evaluation of N-arylated-lactam-type iminosugars as potential immunosuppressive agents. Organic and Biomolecular Chemistry, 2017, 15, 5912-5919.	2.8	5
88	Engineering a bacterial sialyltransferase for di-sialylation of a therapeutic antibody. Organic and Biomolecular Chemistry, 2020, 18, 2886-2892.	2.8	5
89	Glycan Assembly Strategy: From Concept to Application. Chemical Record, 2021, 21, 3256-3277.	5.8	5
90	Neamine-heterocycle conjugates as potential anti-HIV agents. Chinese Chemical Letters, 2013, 24, 273-278.	9.0	4

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91	Synthesis and Immunological Evaluation of Pentamannose-Based HIV-1 Vaccine Candidates. Bioconjugate Chemistry, 2022, 33, 807-820.	3.6	4
92	Synthesis of Nâ€Substituted Iminosugar Derivatives and Evaluation of Their Immunosuppressive Activities. ChemMedChem, 2018, 13, 338-351.	3.2	3
93	Additive-controlled synthesis of 1- and 2-deoxysugars from thioglycosides. Journal of Carbohydrate Chemistry, 2021, 40, 479-500.	1.1	3
94	Electrochemical Bromination of Glycals. Frontiers in Chemistry, 2021, 9, 796690.	3.6	3
95	Rapid glycosylation of 2â€²-benzoylphenyl glycosides promoted by TfOH. Organic Chemistry Frontiers, 2019, 6, 2756-2759.	4.5	2
96	Carbocyclic Ring Closure of Aryl C-Glycosides Promoted by Fluoroboric Acid. Journal of Organic Chemistry, 2020, 85, 9339-9346.	3.2	1
97	Synthesis and biological evaluation of bergenin derivatives as new immunosuppressants. RSC Medicinal Chemistry, 2021, 12, 1968-1976.	3.9	1
98	Iterative Synthesis of 2â€Deoxyoligosaccharides Enabled by Stereoselective Visibleâ€Light Promoted Glycosylation. Angewandte Chemie, 0, , .	2.0	1
99	Frontispiece: Synthetic Glycans and Glycomimetics: A Promising Alternative to Natural Polysaccharides. Chemistry - A European Journal, 2018, 24, .	3.3	0
100	Innentitelbild: Iterative Synthesis of 2â€Deoxyoligosaccharides Enabled by Stereoselective Visibleâ€Lightâ€Promoted Glycosylation (Angew. Chem. 20/2022). Angewandte Chemie, 2022, 134, .	2.0	0