

# Shino Manabe

## List of Publications by Year in descending order

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126  
papers

2,692  
citations

172457

29  
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214800

47  
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154  
all docs

154  
docs citations

154  
times ranked

1833  
citing authors

#	ARTICLE	IF	CITATIONS
1	N-Benzyl-2,3-oxazolidinone as a Glycosyl Donor for Selective $\alpha$ -Glycosylation and One-Pot Oligosaccharide Synthesis Involving 1,2-cis-Glycosylation. <i>Journal of the American Chemical Society</i> , 2006, 128, 10666-10667.	13.7	141
2	Theoretical Investigation of Solvent Effects on Glycosylation Reactions: Stereoselectivity Controlled by Preferential Conformations of the Intermediate Oxacarbenium-Counterion Complex. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 1783-1797.	5.3	137
3	Synthesis of Monoglucosylated High-Mannose-Type Dodecasaccharide, a Putative Ligand for Molecular Chaperone, Calnexin, and Calreticulin. <i>Journal of the American Chemical Society</i> , 2003, 125, 3402-3403.	13.7	135
4	The Total Synthesis of a Natural Cardenolide: $\alpha$ -(+)-Digitoxigenin. <i>Journal of the American Chemical Society</i> , 1996, 118, 10660-10661.	13.7	89
5	Tag-Reporter Strategy for Facile Oligosaccharide Synthesis on Polymer Support. <i>Journal of the American Chemical Society</i> , 2001, 123, 3848-3849.	13.7	77
6	Total Synthesis of Novel Subclass of Glyco-amino Acid Structure Motif: $\alpha$ -C2- $\beta$ -l-C-Mannosylpyranosyl-L-tryptophan. <i>Journal of the American Chemical Society</i> , 1999, 121, 9754-9755.	13.7	72
7	Design of chemical glycosyl donors: does changing ring conformation influence selectivity/reactivity?. <i>Chemical Society Reviews</i> , 2013, 42, 4297.	38.1	71
8	$\alpha$ - and $\beta$ -Glycosyl Sulfonium Ions: Generation and Reactivity. <i>Chemistry - A European Journal</i> , 2009, 15, 2252-2255.	3.3	70
9	Cancer-Stroma Targeting Therapy by Cytotoxic Immunoconjugate Bound to the Collagen 4 Network in the Tumor Tissue. <i>Bioconjugate Chemistry</i> , 2011, 22, 1776-1783.	3.6	70
10	New concept of cytotoxic immunoconjugate therapy targeting cancer-induced fibrin clots. <i>Cancer Science</i> , 2011, 102, 1396-1402.	3.9	69
11	Total Synthesis of Mannosyl Tryptophan and Its Derivatives. <i>Chemistry - A European Journal</i> , 2003, 9, 1435-1447.	3.3	68
12	Endocyclic Cleavage in Glycosides with 2,3- <i>trans</i> -Cyclic Protecting Groups. <i>Journal of the American Chemical Society</i> , 2011, 133, 5610-5619.	13.7	62
13	Antitumor effect of antitissue factor antibody-MMAE conjugate in human pancreatic tumor xenografts. <i>International Journal of Cancer</i> , 2015, 137, 1457-1466.	5.1	62
14	Glycosyl Sulfonium Ions as Storable Intermediates for Glycosylations. <i>Organic Letters</i> , 2011, 13, 1544-1547.	4.6	60
15	Divergent Synthesis of Sialylated Glycan Chains: Combined Use of Polymer Support, Resin Capture-Release, and Chemoenzymatic Strategies. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4218-4224.	13.8	57
16	Solid-Phase Capture-Release Strategy Applied to Oligosaccharide Synthesis on a Soluble Polymer Support. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4725-4728.	13.8	54
17	On-Resin Real-Time Reaction Monitoring of Solid-Phase Oligosaccharide Synthesis. <i>Journal of the American Chemical Society</i> , 2002, 124, 12638-12639.	13.7	52
18	Synthesis of a Natural Oligosaccharide Antibiotic Active against <i>Helicobacter pylori</i> . <i>Journal of Organic Chemistry</i> , 2007, 72, 6107-6115.	3.2	51

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19	Evidence for Endocyclic Cleavage of Conformationally Restricted Glycopyranosides. <i>Chemistry - A European Journal</i> , 2009, 15, 6894-6901.	3.3	51
20	Influence of the dissociation rate constant on the intra-tumor distribution of antibody-drug conjugate against tissue factor. <i>Journal of Controlled Release</i> , 2018, 284, 49-56.	9.9	48
21	Discovery of an uncovered region in fibrin clots and its clinical significance. <i>Scientific Reports</i> , 2013, 3, 2604.	3.3	44
22	Solid-phase oligosaccharide synthesis and related technologies. <i>Current Opinion in Chemical Biology</i> , 1998, 2, 701-708.	6.1	42
23	Solvent Effect in Glycosylation Reaction on Polymer Support. <i>Synlett</i> , 1998, 1998, 628-630.	1.8	38
24	Structural requirements of a chiral ligand for the catalytic asymmetric addition of thiophenol to $\alpha,\beta$ -unsaturated esters. <i>Tetrahedron Letters</i> , 1998, 39, 2141-2144.	1.4	35
25	Increased expression of protein C-mannosylation in the aortic vessels of diabetic Zucker rats. <i>Glycobiology</i> , 2005, 15, 383-392.	2.5	35
26	Imaging mass spectrometry for the precise design of antibody-drug conjugates. <i>Scientific Reports</i> , 2016, 6, 24954.	3.3	33
27	<i>cis</i> -2,3-Benzylidene- <i>trans</i> -Carbamate-Bearing Glycosyl Donors for 1,2- <i>cis</i> -Selective Glycosylation Reactions. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 497-516.	2.4	31
28	Chemotherapy payload of anti-insoluble fibrin antibody-drug conjugate is released specifically upon binding to fibrin. <i>Scientific Reports</i> , 2018, 8, 14211.	3.3	31
29	Enantioselective [2,3] sigmatropic rearrangement mediated by a butyllithium-chiral ligand complex. <i>Chemical Communications</i> , 1997, , 737-738.	4.1	30
30	Characterization of Antibody Products Obtained through Enzymatic and Nonenzymatic Glycosylation Reactions with a Glycan Oxazoline and Preparation of a Homogeneous Antibody-Drug Conjugate via Fc <i>N</i> -Glycan. <i>Bioconjugate Chemistry</i> , 2019, 30, 1343-1355.	3.6	30
31	Systematic Synthesis of Bisubstrate-Type Inhibitors of <i>N</i> -Acetylglucosaminyltransferases. <i>Chemistry - A European Journal</i> , 2006, 12, 3449-3462.	3.3	29
32	C-Mannosylated peptides derived from the thrombospondin type 1 repeat enhance lipopolysaccharide-induced signaling in macrophage-like RAW264.7 cells. <i>Glycobiology</i> , 2007, 17, 1015-1028.	2.5	29
33	Optimizing Glycosylation Reaction Selectivities by Protecting Group Manipulation. <i>Current Bioactive Compounds</i> , 2008, 4, 258-281.	0.5	29
34	C-Mannosylated peptides derived from the thrombospondin type 1 repeat interact with Hsc70 to modulate its signaling in RAW264.7 cells. <i>Glycobiology</i> , 2010, 20, 1298-1310.	2.5	29
35	Electrochemical generation of 2,3-oxazolidinone glycosyl triflates as an intermediate for stereoselective glycosylation. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 456-460.	2.2	29
36	Tag-Reporter and Resin Capture-Release Strategy in Oligosaccharide Synthesis. <i>Chemistry - A European Journal</i> , 2002, 8, 3076.	3.3	28

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37	Tailored immunoconjugate therapy depending on a quantity of tumor stroma. <i>Cancer Science</i> , 2013, 104, 231-237.	3.9	28
38	Immunoregulation by IL-7R-targeting antibody-drug conjugates: overcoming steroid-resistance in cancer and autoimmune disease. <i>Scientific Reports</i> , 2017, 7, 10735.	3.3	28
39	Low-Barrier Pathway for <i>endo</i> -Cleavage Induced Anomerization of Pyranosides with <i>N</i> -Benzyl-2,3- <i>trans</i> -Oxazolidinone Groups. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1127-1131.	2.4	23
40	Development of Antibody-Drug Conjugates Using DDS and Molecular Imaging. <i>Bioengineering</i> , 2017, 4, 78.	3.5	23
41	Hafnium(IV) Tetratriflate as a Glycosyl Fluoride Activation Reagent. <i>Journal of Organic Chemistry</i> , 2013, 78, 4568-4572.	3.2	22
42	Significant Substituent Effect on the Anomerization of Pyranosides: Mechanism of Anomerization and Synthesis of a 1,2- <i>cis</i> Glucosamine Oligomer from the 1,2- <i>trans</i> Anomer. <i>Chemistry - A European Journal</i> , 2014, 20, 124-132.	3.3	21
43	Reductive deprotection of propargyl ether by a SmI <sub>2</sub> -amine-water system and its application to polymer-supported oligosaccharide synthesis. <i>Tetrahedron Letters</i> , 2008, 49, 5159-5161.	1.4	20
44	Enantioselective (2,3) Sigmatropic Rearrangement of .ALPHA.-Propargyloxyacetic Acids Mediated by BuLi(-)-Sparteine Complex.. <i>Chemical and Pharmaceutical Bulletin</i> , 1998, 46, 335-336.	1.3	19
45	Facile peptide thioester synthesis via solution-phase tosylamide preparation. <i>Tetrahedron Letters</i> , 2007, 48, 849-853.	1.4	19
46	Radical C-glycosylation reaction of pyranosides with the 2,3- <i>trans</i> carbamate group. <i>Chemical Communications</i> , 2011, 47, 9720.	4.1	19
47	Development of a diketopiperazine-forming dipeptidyl Gly-Pro spacer for preparation of an antibody-drug conjugate. <i>MedChemComm</i> , 2013, 4, 792.	3.4	19
48	Significant solvent effect in anomerization reaction of pyranosides with 2,3- <i>trans</i> carbamate and carbonate. <i>Tetrahedron Letters</i> , 2009, 50, 4827-4829.	1.4	18
49	Substituent effects in endocyclic cleavage-recyclization anomerization reaction of pyranosides. <i>Tetrahedron</i> , 2011, 67, 9966-9974.	1.9	18
50	Protein C-Mannosylation and C-Mannosyl Tryptophan in Chemical Biology and Medicine. <i>Molecules</i> , 2021, 26, 5258.	3.8	18
51	Wang Resin-Type Linker Containing a Nitro Group for Polymer Support Oligosaccharide Synthesis: Polymer-Supported Glycosyl Donor.. <i>Chemical and Pharmaceutical Bulletin</i> , 2001, 49, 1234-1235.	1.3	17
52	Synthesis of a Bisubstrate-Type Inhibitor of N-Acetylglucosaminyltransferases. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5674-5677.	13.8	17
53	C-Mannosylation: Modification on Tryptophan in Cellular Proteins. , 2015, , 1091-1099.		15
54	Preparation of Glycosylated Amino Acid Derivatives for Glycoprotein Synthesis by In Vitro Translation System. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 573-581.	3.0	14

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55	Enrichment and characterization of a bacterial mixture capable of utilizing C-mannosyl tryptophan as a carbon source. <i>Glycoconjugate Journal</i> , 2018, 35, 165-176.	2.7	14
56	Toward Synthesis of Novel C-glycoprotein from Human RNase; Unexpected Stereochemistry of Epoxide Opening Reaction by Organolithium Reagents in the Presence of Lewis Acid. <i>Chemistry Letters</i> , 1998, 27, 919-920.	1.3	13
57	Synthesis of N-linked pentasaccharides with isomeric glycosidic linkage. <i>Glycoconjugate Journal</i> , 2000, 17, 361-375.	2.7	13
58	Acceptor range of endo- $\beta$ -N-acetylglucosaminidase mutant endo-CC N180H: from monosaccharide to antibody. <i>Royal Society Open Science</i> , 2018, 5, 171521.	2.4	13
59	Aza-[2,3] Sigmatropic Rearrangement of Phosphoramides. <i>Tetrahedron Letters</i> , 1997, 38, 2491-2492.	1.4	12
60	Facile preparation of N-acylsulfonamides by using sulfonyl isocyanate. <i>Tetrahedron Letters</i> , 2007, 48, 787-789.	1.4	12
61	Sulfonylcarbamate as a versatile and unique hydroxy-protecting group: a protecting group stable under severe conditions and labile under mild conditions. <i>Chemical Communications</i> , 2013, 49, 8332.	4.1	12
62	Radioimmunotherapy with an $^{211}\text{At}$ -labeled anti-tissue factor antibody protected by sodium ascorbate. <i>Cancer Science</i> , 2021, 112, 1975-1986.	3.9	12
63	Antibody Glycoengineering and Homogeneous Antibody-Drug Conjugate Preparation. <i>Chemical Record</i> , 2021, 21, 3005-3014.	5.8	12
64	Evaluation of the antitumor mechanism of antibody-drug conjugates against tissue factor in stroma-rich allograft models. <i>Cancer Science</i> , 2019, 110, 3296-3305.	3.9	11
65	A novel assay for detection and quantification of C-mannosyl tryptophan in normal or diabetic mice. <i>Scientific Reports</i> , 2019, 9, 4675.	3.3	11
66	Development of Novel Glycosyl Donors for 1,2-cis Glycosylation Reaction for Amino Sugar and Synthesis of anti- <i>Helicobacter pylori</i> Oligosaccharide. <i>Trends in Glycoscience and Glycotechnology</i> , 2008, 20, 187-202.	0.1	10
67	Monomeric C-mannosyl tryptophan is a degradation product of autophagy in cultured cells. <i>Glycoconjugate Journal</i> , 2020, 37, 635-645.	2.7	9
68	Hafnium(IV) tetratriflate in selective reductive carbohydrate benzylidene acetal opening reaction and direct silylation reaction. <i>Tetrahedron Letters</i> , 2013, 54, 6838-6840.	1.4	8
69	Mycothiol synthesis by an anomerization reaction through endocyclic cleavage. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 328-333.	2.2	8
70	Antitumor effect of humanized anti-tissue factor antibody-drug conjugate in a model of peritoneal disseminated pancreatic cancer. <i>Oncology Reports</i> , 2020, 45, 329-336.	2.6	8
71	The First Synthesis of N-Man-Trp: Alternative Mannosylation Modification of Protein. <i>Synlett</i> , 2008, 2008, 880-882.	1.8	7
72	The Synthesis of 1,2-cis-Amino Containing Oligosaccharides Toward Biological Investigation. <i>Methods in Enzymology</i> , 2010, 478, 413-435.	1.0	7

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73	Phenyl 2-amino- <i>N</i> ,6- <i>O</i> -dibenzyl-2,3- <i>N</i> , <i>O</i> -carbonyl-2-deoxy-1-thio-β-D-glucopyranoside. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1868-o1868.		6
74	Characterization of the genomically encoded fosfomycin resistance enzyme from <i>Mycobacterium abscessus</i> . MedChemComm, 2019, 10, 1948-1957.	3.4	6
75	Recent Development of Stereoselective Glycosylation Reactions. Heterocycles, 2021, 102, 177.	0.7	6
76	DIMETHYL SQUARATE AND ITS CONVERSION TO 3-ETHENYL-4-METHOXYCYCLOBUTENE-1,2-DIONE AND 2-BUTYL-6-ETHENYL-5-METHOXY-1,4-BENZOQUINONE. Organic Syntheses, 1999, 76, 189.	1.0	6
77	Multi-Component Carbohydrate Coupling using Solution and Polymer Support Technology. Molecules Online, 1998, 2, 40-45.	0.3	5
78	Synthetic utility of endocyclic cleavage reaction. Pure and Applied Chemistry, 2017, 89, 899-909.	1.9	5
79	The Novel Glycoprotein Structure; C-Mannosyl Tryptophan. Trends in Glycoscience and Glycotechnology, 2003, 15, 181-196.	0.1	5
80	Polymer-supported oligosaccharide synthesis using ultrafiltration methodology. Chemical Communications, 2007, , 3673.	4.1	4
81	Pyranosides with 2,3- <i>trans</i> Carbamate Groups: Exocyclic or Endocyclic Cleavage Reaction?. Chemical Record, 2014, 14, 502-515.	5.8	4
82	Amide Bond Formation of Sialic Acid in Oligosaccharide without Protecting Group. Heterocycles, 2018, 97, 1203.	0.7	4
83	Protection from contamination by <sup>211</sup> At, an enigmatic but promising alpha-particle-emitting radionuclide. EJNMMI Physics, 2022, 9, .	2.7	4
84	Novel Nitro Wang Type Linker for Polymer Support Oligosaccharide Synthesis; Polymer Supported Acceptor. Synlett, 2000, 2000, 1241-1244.	1.8	3
85	Tumor stromal barrier and cancer stromal targeting therapy. Microvascular Reviews and Communications, 2013, 6, 2-8.	0.0	3
86	Quantification of serum C-mannosyl tryptophan by novel assay to evaluate renal function and vascular complications in patients with type 2 diabetes. Scientific Reports, 2021, 11, 1946.	3.3	3
87	Stabilization of an <sup>211</sup> At-Labeled Antibody with Sodium Ascorbate. ACS Omega, 2021, 6, 14887-14895.	3.5	3
88	C-Mannosyl tryptophan increases in the plasma of patients with ovarian cancer. Oncology Letters, 2020, 19, 908-916.	1.8	3
89	Recent Progress in Linker Technology for Antibody-Drug Conjugates: Methods for Connection and Release. , 2019, , 93-123.		2
90	Mass spectrometry imaging for early discovery and development of cancer drugs. AIMS Medical Science, 2018, 5, 162-180.	0.4	2

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91	Unique Reactivity of Pyranosides with 2,3-trans Carbamate Group; Renaissance of Endocyclic Cleavage Reaction. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2013, 71, 616-624.	0.1	2
92	C-Mannosylated tryptophan-containing WSPW peptide binds to actinin-4 and alters E-cadherin subcellular localization in lung epithelial-like A549 cells. <i>Biochimie</i> , 2021, , .	2.6	2
93	1,2-cis-Selective Formation of a Unique Amino-Containing Amino Glycoside by Endocyclic Cleavage Strategy. <i>Heterocycles</i> , 2019, 99, 1304.	0.7	2
94	Thrombospondin type 1 repeat-derived C-mannosylated peptide attenuates synaptogenesis of cortical neurons induced by primary astrocytes via TGF- $\beta$ 2. <i>Glycoconjugate Journal</i> , 2021, , 1.	2.7	2
95	S-Phenyl 4,6-O-benzylidene-2,3-O-carbonyl-1-thia- $\beta$ -D-mannopyranoside. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o3028-o3028.	0.2	1
96	Synthesis of the Immunostimulatory Adjuvant QS-21 and an Approach to Elucidating Its Mechanism of Action. <i>Trends in Glycoscience and Glycotechnology</i> , 2012, 24, 277-279.	0.1	1
97	Comparing of endocyclic and exocyclic cleavage reactions using mycothiol synthesis as an example. <i>Tetrahedron</i> , 2018, 74, 2440-2446.	1.9	1
98	Solid Phase Oligosaccharide Synthesis.. <i>Kobunshi</i> , 1998, 47, 766-771.	0.0	0
99	Synthesis and Eneidyne Antibiotic Oligosaccharides. <i>ChemInform</i> , 2003, 34, no.	0.0	0
100	Polymer - Resin Hybrid Capture - Release Strategy for Rapid Oligo Saccharide Construction. <i>Synlett</i> , 2003, 2003, 0979-0982.	1.8	0
101	The Novel Glycoprotein Structure: C-Mannosyl Tryptophan. <i>ChemInform</i> , 2004, 35, no.	0.0	0
102	Crosslinker. <i>Drug Delivery System</i> , 2015, 30, 247-250.	0.0	0
103	Development and Current Status of Antibody-drug conjugate (ADC). <i>Drug Delivery System</i> , 2019, 34, 10-21.	0.0	0
104	C-Mannosyl Tryptophan: From Chemistry to Cell Biology. , 2021, , 163-181.		0
105	Chemistry in ADC Development. <i>Drug Delivery System</i> , 2021, 36, 28-39.	0.0	0
106	Synthesis of Eneidyne Antibiotic Oligosaccharides. , 2001, , 2441-2469.		0
107	THE NOVEL METHODOLOGY FOR RAPID OLIGOSACCHARIDE SYNTHESIS. , 2002, , .		0
108	[Mini Review] Unique Reactivity of Pyranosides with 2,3- <i>trans</i> Carbamate and Its Utility in Oligosaccharide Synthesis. <i>Bulletin of Applied Glycoscience</i> , 2012, 2, 231-233.	0.0	0

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109	Cancer Stromal Targeting (CAST) Therapy and Tailored Antibody Drug Conjugate Therapy Depending on the Nature of Tumor Stroma. , 2013, , 161-181.		0
110	Linker Technology in Antibody-Drug Conjugates for Cancer Treatment. Drug Delivery System, 2013, 28, 406-411.	0.0	0
111	Cancer Stromal Targeting. Drug Delivery System, 2013, 28, 396-405.	0.0	0
112	Synthesis of 1,2-cis Aminoglycoside. , 2014, , 1-5.		0
113	Abstract 2642: Antibody-drug conjugate for human pancreatic cancer cells using anti-tissue factor monoclonal antibody. , 2014, , .		0
114	Abstract 2641: Tailored antibody drug conjugate (ADC) therapy depending on a quantity of tumor stroma. , 2014, , .		0
115	Abstract 4849: Implications of cancer induced blood coagulation in cancer diagnosis and therapy. , 2014, , .		0
116	Synthesis of 1,2-cis Amino Glycoside. , 2015, , 359-363.		0
117	Abstract 4602: The dissociation constant rate of ADC would be an important factor for antitumor activity in vivo. , 2017, , .		0
118	One-Step Inversion of Configuration of a Hydroxy Group in Carbohydrates. , 2017, , 19-24.		0
119	Abstract 1784: IL-7R targeting therapy for immunoregulation and overcoming steroid resistance in cancer and autoimmune disease. , 2018, , .		0
120	Glycoengineering. , 2019, , 145-166.		0
121	CAST Therapy. , 2019, , 269-288.		0
122	[FOREWORD] DDS for $\beta$ -radiation therapy. Drug Delivery System, 2020, 35, 99-99.	0.0	0
123	Contribution from Synthetic Organic Chemistry and Glycoscience to ADC Development: Homogeneous ADC Preparation and Development of Cancer Stromal Targeting Therapy. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2020, 78, 485-494.	0.1	0
124	Abstract 2863: Preclinical evaluation of astatine-211-conjugated anti-tissue factor antibody. , 2020, , .		0
125	Attempts to synthesize homogeneous glycan-conjugated antibody-drug conjugates. Translational and Regulatory Sciences, 2020, 2, 84-89.	0.2	0
126	Thin-layer chromatography $\beta$ -TLC $\beta$ %. Drug Delivery System, 2020, 35, 147-149.	0.0	0