

# Shino Manabe

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3718582/publications.pdf>

Version: 2024-02-01

126  
papers

2,692  
citations

172457

29  
h-index

214800

47  
g-index

154  
all docs

154  
docs citations

154  
times ranked

1833  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protection from contamination by <sup>211</sup> At, an enigmatic but promising alpha-particle-emitting radionuclide. <i>EJNMMI Physics</i> , 2022, 9, .	2.7	4
2	C-Mannosyl Tryptophan: From Chemistry to Cell Biology. , 2021, , 163-181.		0
3	Recent Development of Stereoselective Glycosylation Reactions. <i>Heterocycles</i> , 2021, 102, 177.	0.7	6
4	Chemistry in ADC Development. <i>Drug Delivery System</i> , 2021, 36, 28-39.	0.0	0
5	Quantification of serum C-mannosyl tryptophan by novel assay to evaluate renal function and vascular complications in patients with type 2 diabetes. <i>Scientific Reports</i> , 2021, 11, 1946.	3.3	3
6	Radioimmunotherapy with an <sup>211</sup> At- $\alpha$ -labeled anti- $\alpha$ -tissue factor antibody protected by sodium ascorbate. <i>Cancer Science</i> , 2021, 112, 1975-1986.	3.9	12
7	Antibody Glycoengineering and Homogeneous Antibody-Drug Conjugate Preparation. <i>Chemical Record</i> , 2021, 21, 3005-3014.	5.8	12
8	Stabilization of an <sup>211</sup> At-Labeled Antibody with Sodium Ascorbate. <i>ACS Omega</i> , 2021, 6, 14887-14895.	3.5	3
9	Protein C-Mannosylation and C-Mannosyl Tryptophan in Chemical Biology and Medicine. <i>Molecules</i> , 2021, 26, 5258.	3.8	18
10	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
11	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
12	Monomeric C-mannosyl tryptophan is a degradation product of autophagy in cultured cells. <i>Glycoconjugate Journal</i> , 2020, 37, 635-645.	2.7	9
13	C-mannosyl tryptophan increases in the plasma of patients with ovarian cancer. <i>Oncology Letters</i> , 2020, 19, 908-916.	1.8	3
14	Antitumor effect of humanized anti- $\alpha$ -tissue factor antibody-drug conjugate in a model of peritoneal disseminated pancreatic cancer. <i>Oncology Reports</i> , 2020, 45, 329-336.	2.6	8
15	[FOREWORD]DDS for $\beta$ -radiation therapy. <i>Drug Delivery System</i> , 2020, 35, 99-99.	0.0	0
16	Contribution from Synthetic Organic Chemistry and Glycoscience to ADC Development: Homogeneous ADC Preparation and Development of Cancer Stromal Targeting Therapy. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2020, 78, 485-494.	0.1	0
17	Abstract 2863: Preclinical evaluation of astatine-211-conjugated anti-tissue factor antibody. , 2020, , .		0
18	Attempts to synthesize homogeneous glycan-conjugated antibody-drug conjugates. <i>Translational and Regulatory Sciences</i> , 2020, 2, 84-89.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Thin-layer chromatography. Drug Delivery System, 2020, 35, 147-149.	0.0	0
20	Evaluation of the antitumor mechanism of antibody-drug conjugates against tissue factor in stroma-rich allograft models. Cancer Science, 2019, 110, 3296-3305.	3.9	11
21	Development and Current Status of Antibody-drug conjugate (ADC). Drug Delivery System, 2019, 34, 10-21.	0.0	0
22	A novel assay for detection and quantification of C-mannosyl tryptophan in normal or diabetic mice. Scientific Reports, 2019, 9, 4675.	3.3	11
23	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 N-Glycan. Bioconjugate Chemistry, 2019, 30, 1343-1355.	3.6	30
24	Characterization of the genomically encoded fosfomycin resistance enzyme from Mycobacterium abscessus. MedChemComm, 2019, 10, 1948-1957.	3.4	6
25	Recent Progress in Linker Technology for Antibody-Drug Conjugates: Methods for Connection and Release. , 2019, , 93-123.		2
26	Glycoengineering. , 2019, , 145-166.		0
27	1,2-cis-Selective Formation of a Unique Amino-Containing Amino Glycoside by Endocyclic Cleavage Strategy. Heterocycles, 2019, 99, 1304.	0.7	2
28	CAST Therapy. , 2019, , 269-288.		0
29	Enrichment and characterization of a bacterial mixture capable of utilizing C-mannosyl tryptophan as a carbon source. Glycoconjugate Journal, 2018, 35, 165-176.	2.7	14
30	Comparing of endocyclic and exocyclic cleavage reactions using mycothiol synthesis as an example. Tetrahedron, 2018, 74, 2440-2446.	1.9	1
31	Acceptor range of endo- $\beta$ -N-acetylglucosaminidase mutant endo-CC N180H: from monosaccharide to antibody. Royal Society Open Science, 2018, 5, 171521.	2.4	13
32	Chemotherapy payload of anti-insoluble fibrin antibody-drug conjugate is released specifically upon binding to fibrin. Scientific Reports, 2018, 8, 14211.	3.3	31
33	Influence of the dissociation rate constant on the intra-tumor distribution of antibody-drug conjugate against tissue factor. Journal of Controlled Release, 2018, 284, 49-56.	9.9	48
34	Mass spectrometry imaging for early discovery and development of cancer drugs. AIMS Medical Science, 2018, 5, 162-180.	0.4	2
35	Amide Bond Formation of Sialic Acid in Oligosaccharide without Protecting Group. Heterocycles, 2018, 97, 1203.	0.7	4
36	Abstract 1784: IL-7R targeting therapy for immunoregulation and overcoming steroid resistance in cancer and autoimmune disease. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	Synthetic utility of endocyclic cleavage reaction. Pure and Applied Chemistry, 2017, 89, 899-909.	1.9	5
38	Immunoregulation by IL-7R-targeting antibody-drug conjugates: overcoming steroid-resistance in cancer and autoimmune disease. Scientific Reports, 2017, 7, 10735.	3.3	28
39	Development of Antibody-Drug Conjugates Using DDS and Molecular Imaging. Bioengineering, 2017, 4, 78.	3.5	23
40	Abstract 4602: The dissociation constant rate of ADC would be an important factor for antitumor activity in vivo. , 2017, , .		0
41	One-Step Inversion of Configuration of a Hydroxy Group in Carbohydrates. , 2017, , 19-24.		0
42	Mycothiols synthesis by an anomerization reaction through endocyclic cleavage. Beilstein Journal of Organic Chemistry, 2016, 12, 328-333.	2.2	8
43	Imaging mass spectrometry for the precise design of antibody-drug conjugates. Scientific Reports, 2016, 6, 24954.	3.3	33
44	Antitumor effect of antitissue factor antibody-MMAE conjugate in human pancreatic tumor xenografts. International Journal of Cancer, 2015, 137, 1457-1466.	5.1	62
45	Crosslinker. Drug Delivery System, 2015, 30, 247-250.	0.0	0
46	C-Mannosylation: Modification on Tryptophan in Cellular Proteins. , 2015, , 1091-1099.		15
47	Synthesis of 1,2-cis Amino Glycoside. , 2015, , 359-363.		0
48	Significant Substituent Effect on the Anomerization of Pyranosides: Mechanism of Anomerization and Synthesis of a 1,2-cis Glucosamine Oligomer from the 1,2-trans Anomer. Chemistry - A European Journal, 2014, 20, 124-132.	3.3	21
49	Pyranosides with 2,3-trans Carbamate Groups: Exocyclic or Endocyclic Cleavage Reaction?. Chemical Record, 2014, 14, 502-515.	5.8	4
50	Synthesis of 1,2-cis Aminoglycoside. , 2014, , 1-5.		0
51	Abstract 2642: Antibody-drug conjugate for human pancreatic cancer cells using anti-tissue factor monoclonal antibody. , 2014, , .		0
52	Abstract 2641: Tailored antibody drug conjugate (ADC) therapy depending on a quantity of tumor stroma. , 2014, , .		0
53	Abstract 4849: Implications of cancer induced blood coagulation in cancer diagnosis and therapy. , 2014, , .		0
54	Sulfonylcarbamate as a versatile and unique hydroxy-protecting group: a protecting group stable under severe conditions and labile under mild conditions. Chemical Communications, 2013, 49, 8332.	4.1	12

#	ARTICLE	IF	CITATIONS
55	Hafnium(IV) tetratrilate in selective reductive carbohydrate benzylidene acetal opening reaction and direct silylation reaction. <i>Tetrahedron Letters</i> , 2013, 54, 6838-6840.	1.4	8
56	Discovery of an uncovered region in fibrin clots and its clinical significance. <i>Scientific Reports</i> , 2013, 3, 2604.	3.3	44
57	Hafnium(IV) Tetratrilate as a Glycosyl Fluoride Activation Reagent. <i>Journal of Organic Chemistry</i> , 2013, 78, 4568-4572.	3.2	22
58	Design of chemical glycosyl donors: does changing ring conformation influence selectivity/reactivity?. <i>Chemical Society Reviews</i> , 2013, 42, 4297.	38.1	71
59	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
60	Tailored immunoconjugate therapy depending on a quantity of tumor stroma. <i>Cancer Science</i> , 2013, 104, 231-237.	3.9	28
61	Tumor stromal barrier and cancer stromal targeting therapy. <i>Microvascular Reviews and Communications</i> , 2013, 6, 2-8.	0.0	3
62	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
63	Cancer Stromal Targeting (CAST) Therapy and Tailored Antibody Drug Conjugate Therapy Depending on the Nature of Tumor Stroma. , 2013, , 161-181.		0
64	Linker Technology in Antibody-Drug Conjugates for Cancer Treatment. <i>Drug Delivery System</i> , 2013, 28, 406-411.	0.0	0
65	Cancer Stromal Targeting. <i>Drug Delivery System</i> , 2013, 28, 396-405.	0.0	0
66	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
67	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
68	[Mini Review] Unique Reactivity of Pyranosides with 2,3-trans Carbamate and Its Utility in Oligosaccharide Synthesis. <i>Bulletin of Applied Glycoscience</i> , 2012, 2, 231-233.	0.0	0
69	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
70	Glycosyl Sulfonium Ions as Storable Intermediates for Glycosylations. <i>Organic Letters</i> , 2011, 13, 1544-1547.	4.6	60
71	Radical C-glycosylation reaction of pyranosides with the 2,3-trans carbamate group. <i>Chemical Communications</i> , 2011, 47, 9720.	4.1	19
72	Endocyclic Cleavage in Glycosides with 2,3-trans Cyclic Protecting Groups. <i>Journal of the American Chemical Society</i> , 2011, 133, 5610-5619.	13.7	62

#	ARTICLE	IF	CITATIONS
73	New concept of cytotoxic immunoconjugate therapy targeting cancer-induced fibrin clots. <i>Cancer Science</i> , 2011, 102, 1396-1402.	3.9	69
74	Substituent effects in endocyclic cleavage-recyclization anomerization reaction of pyranosides. <i>Tetrahedron</i> , 2011, 67, 9966-9974.	1.9	18
75	<i>N</i> -Benzyl-2,3-trans-Carbamate-Bearing Glycosyl Donors for 1,2-cis-Selective Glycosylation Reactions. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 497-516.	2.4	31
76	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
77	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
78	The Synthesis of 1,2-cis-Amino Containing Oligosaccharides Toward Biological Investigation. <i>Methods in Enzymology</i> , 2010, 478, 413-435.	1.0	7
79	$\hat{I}^{\pm}$ and $\hat{I}^2$ Glycosyl Sulfonium Ions: Generation and Reactivity. <i>Chemistry - A European Journal</i> , 2009, 15, 2252-2255.	3.3	70
80	Evidence for Endocyclic Cleavage of Conformationally Restricted Glycopyranosides. <i>Chemistry - A European Journal</i> , 2009, 15, 6894-6901.	3.3	51
81	Low-Barrier Pathway for endo-Cleavage Induced Anomerization of Pyranosides with <i>N</i> -Benzyl-2,3-trans-Oxazolidinone Groups. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1127-1131.	2.4	23
82	Significant solvent effect in anomerization reaction of pyranosides with 2,3-trans carbamate and carbonate. <i>Tetrahedron Letters</i> , 2009, 50, 4827-4829.	1.4	18
83	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
84	The First Synthesis of N-Man-Trp: Alternative Mannosylation Modification of Protein. <i>Synlett</i> , 2008, 2008, 880-882.	1.8	7
85	Optimizing Glycosylation Reaction Selectivities by Protecting Group Manipulation. <i>Current Bioactive Compounds</i> , 2008, 4, 258-281.	0.5	29
86	Phenyl 2-amino- <i>N</i> ,6- <i>O</i> -dibenzyl-2,3- <i>N</i> , <i>O</i> -carbonyl-2-deoxy-1-thio- $\beta$ -D-glucopyranoside. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1868-o1868.		6
87	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
88	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
89	Polymer-supported oligosaccharide synthesis using ultrafiltration methodology. <i>Chemical Communications</i> , 2007, , 3673.	4.1	4
90	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

#	ARTICLE	IF	CITATIONS
91	Facile peptide thioester synthesis via solution-phase tosylamide preparation. <i>Tetrahedron Letters</i> , 2007, 48, 849-853.	1.4	19
92	Facile preparation of N-acylsulfonamides by using sulfonyl isocyanate. <i>Tetrahedron Letters</i> , 2007, 48, 787-789.	1.4	12
93	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
94	N-Benzyl-2,3-oxazolidinone as a Glycosyl Donor for Selective $\beta$ -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
95	Systematic Synthesis of Bisubstrate-Type Inhibitors of N-Acetylglucosaminyltransferases. <i>Chemistry - A European Journal</i> , 2006, 12, 3449-3462.	3.3	29
96	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
97	Increased expression of protein C-mannosylation in the aortic vessels of diabetic Zucker rats. <i>Glycobiology</i> , 2005, 15, 383-392.	2.5	35
98	Synthesis of a Bisubstrate-Type Inhibitor of N-Acetylglucosaminyltransferases. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5674-5677.	13.8	17
99	The Novel Glycoprotein Structure: C-Mannosyl Tryptophan. <i>ChemInform</i> , 2004, 35, no.	0.0	0
100	Synthesis and Enediyne Antibiotic Oligosaccharides. <i>ChemInform</i> , 2003, 34, no.	0.0	0
101	Total Synthesis of Mannosyl Tryptophan and Its Derivatives. <i>Chemistry - A European Journal</i> , 2003, 9, 1435-1447.	3.3	68
102	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
103	Polymer - Resin Hybrid Capture - Release Strategy for Rapid Oligosaccharide Construction. <i>Synlett</i> , 2003, 2003, 0979-0982.	1.8	0
104	The Novel Glycoprotein Structure; C-Mannosyl Tryptophan. <i>Trends in Glycoscience and Glycotechnology</i> , 2003, 15, 181-196.	0.1	5
105	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
106	Tag-Reporter and Resin Capture-Release Strategy in Oligosaccharide Synthesis. <i>Chemistry - A European Journal</i> , 2002, 8, 3076.	3.3	28
107	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
108	THE NOVEL METHODOLOGY FOR RAPID OLIGOSACCHARIDE SYNTHESIS. , 2002, , .		0

#	ARTICLE	IF	CITATIONS
109	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
110	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
111	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
112	Synthesis of Eneidyne Antibiotic Oligosaccharides. , 2001, , 2441-2469.		0
113	Synthesis of N-linked pentasaccharides with isomeric glycosidic linkage. <i>Glycoconjugate Journal</i> , 2000, 17, 361-375.	2.7	13
114	Novel Nitro Wang Type Linker for Polymer Support Oligosaccharide Synthesis; Polymer Supported Acceptor. <i>Synlett</i> , 2000, 2000, 1241-1244.	1.8	3
115	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
116	DIMETHYL SQUARATE AND ITS CONVERSION TO 3-ETHENYL-4-METHOXYCYCLOBUTENE-1,2-DIONE AND 2-BUTYL-6-ETHENYL-5-METHOXY-1,4-BENZOQUINONE. <i>Organic Syntheses</i> , 1999, 76, 189.	1.0	6
117	Multi-Component Carbohydrate Coupling using Solution and Polymer Support Technology. <i>Molecules Online</i> , 1998, 2, 40-45.	0.3	5
118	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
119	Solid-phase oligosaccharide synthesis and related technologies. <i>Current Opinion in Chemical Biology</i> , 1998, 2, 701-708.	6.1	42
120	Solvent Effect in Glycosylation Reaction on Polymer Support. <i>Synlett</i> , 1998, 1998, 628-630.	1.8	38
121	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
122	Solid Phase Oligosaccharide Synthesis.. <i>Kobunshi</i> , 1998, 47, 766-771.	0.0	0
123	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
124	Enantioselective [2,3] sigmatropic rearrangement mediated by a butyllithium "chiral ligand complex. <i>Chemical Communications</i> , 1997, , 737-738.	4.1	30
125	Aza-[2,3] Sigmatropic Rearrangement of Phosphoramides. <i>Tetrahedron Letters</i> , 1997, 38, 2491-2492.	1.4	12
126	The Total Synthesis of a Natural Cardenolide: $\hat{A}$ (+)-Digitoxigenin. <i>Journal of the American Chemical Society</i> , 1996, 118, 10660-10661.	13.7	89