

# Yoichi Takeda

## List of Publications by Year in descending order

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61  
papers

979  
citations

516710

16  
h-index

477307

29  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1144  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pectin RG-I rhamnosyltransferases represent a novel plant-specific glycosyltransferase family. <i>Nature Plants</i> , 2018, 4, 669-676.	9.3	111
2	Both isoforms of human UDP-glucose:glycoprotein glucosyltransferase are enzymatically active. <i>Glycobiology</i> , 2014, 24, 344-350.	2.5	66
3	Synthesis of calcium phosphate-binding liposome for drug delivery. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 4148-4150.	2.2	63
4	Topâ€Down Chemoenzymatic Approach to a Highâ€Mannoseâ€Type Glycan Library: Synthesis of a Common Precursor and Its Enzymatic Trimming. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7426-7431.	13.8	62
5	Chemical approaches toward understanding glycan-mediated protein quality control. <i>Current Opinion in Chemical Biology</i> , 2009, 13, 582-591.	6.1	52
6	Functional analysis of endoplasmic reticulum glucosyltransferase (UGGT): Synthetic chemistry's initiative in glycobiology. <i>Seminars in Cell and Developmental Biology</i> , 2015, 41, 90-98.	5.0	46
7	Transition from a Normal to Inverted Cylinder for an Amidine-Bearing Lipid/pDNA Complex and Its Excellent Transfection. <i>Bioconjugate Chemistry</i> , 2005, 16, 1349-1351.	3.6	39
8	DNA Binding of Tilorone:â€% 1H NMR and Calorimetric Studies of the Intercalation. <i>Biochemistry</i> , 2007, 46, 8156-8163.	2.5	37
9	Synthesis of the Highly Glycosylated Hydrophilic Motif of Extensins. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9812-9816.	13.8	33
10	Monitoring of Glycoprotein Quality Control System with a Series of Chemically Synthesized Homogeneous Native and Misfolded Glycoproteins. <i>Journal of the American Chemical Society</i> , 2018, 140, 17499-17507.	13.7	31
11	A Polysaccharide Carrier to Effectively Deliver Native Phosphodiester CpG DNA to Antigen-Presenting Cells. <i>Bioconjugate Chemistry</i> , 2007, 18, 1280-1286.	3.6	25
12	Ternary Complex Consisting of DNA, Polycation, and a Natural Polysaccharide of Schizophyllan to Induce Cellular Uptake by Antigen Presenting Cells. <i>Biomacromolecules</i> , 2007, 8, 1178-1186.	5.4	23
13	Biophysical properties of UDP-glucose:glycoprotein glucosyltransferase, a folding sensor enzyme in the ER, delineated by synthetic probes. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 504-510.	2.1	22
14	Trimming of glucosylated N-glycans by human ER Î±1,2-mannosidase I. <i>Journal of Biochemistry</i> , 2014, 155, 375-384.	1.7	20
15	Construction of a Highâ€Mannoseâ€Type Glycan Library by a Renewed Topâ€Down Chemoâ€Enzymatic Approach. <i>Chemistry - A European Journal</i> , 2015, 21, 3224-3233.	3.3	20
16	Profiling Aglycon-Recognizing Sites of UDP-glucose:glycoprotein Glucosyltransferase by Means of Squarate-Mediated Labeling. <i>Biochemistry</i> , 2015, 54, 4909-4917.	2.5	20
17	Parallel quantification of lectinâ€glycan interaction using ultrafiltration. <i>Carbohydrate Research</i> , 2013, 375, 112-117.	2.3	17
18	Analysis of glycoprotein processing in the endoplasmic reticulum using synthetic oligosaccharides. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2012, 88, 31-40.	3.8	16

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19	Effects of domain composition on catalytic activity of human UDP-glucose:glycoprotein glucosyltransferases. <i>Glycobiology</i> , 2016, 26, 999-1006.	2.5	16
20	The action of bromoconduritol on ER glucosidase II. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 5357-5359.	2.2	15
21	Synthesis of Glc<sub>1</sub>Man<sub>9</sub>â€”Glycoprotein Probes by a Misfolding/Enzymatic Glucosylation/Misfolding Sequence. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3968-3971.	13.8	15
22	Endo-â€”Mannosidaseâ€”Catalyzed Transglycosylation. <i>ChemBioChem</i> , 2017, 18, 1376-1378.	2.6	14
23	3â€² Poly(dA)-Tailed Thrombin DNA Aptamer to Increase DNase-Resistance and Clotting Inhibitory Activity. <i>Bulletin of the Chemical Society of Japan</i> , 2008, 81, 1485-1491.	3.2	13
24	Non-enzymatic reaction of glycosyl oxazoline with peptides. <i>Carbohydrate Research</i> , 2016, 436, 31-35.	2.3	13
25	Polyrotaxane/DNA Conjugate by Use of Intercalation:â€” Bridge Formation between DNA Double Helices. <i>Macromolecules</i> , 2006, 39, 9480-9485.	4.8	12
26	Hydrophobic Tagged Dihydrofolate Reductase for Creating Misfolded Glycoprotein Mimetics. <i>ChemBioChem</i> , 2016, 17, 300-303.	2.6	12
27	Chemicalâ€”Synthesisâ€”Based Approach to Glycoprotein Functions in the Endoplasmic Reticulum. <i>Chemistry - A European Journal</i> , 2020, 26, 15461-15470.	3.3	12
28	Preparation of asparagine-linked monoglucosylated high-mannose-type oligosaccharide from egg yolk. <i>Carbohydrate Research</i> , 2015, 411, 37-41.	2.3	11
29	Synthesis and in Vitro Characterization of Antigen-Conjugated Polysaccharide as a CpG DNA Carrier. <i>Bioconjugate Chemistry</i> , 2006, 17, 1136-1140.	3.6	10
30	Glycan specificity of a testis-specific lectin chaperone calmeglin and effects of hydrophobic interactions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 2904-2913.	2.4	10
31	Approaches toward High-Mannose-Type Glycan Libraries. <i>Chemical Record</i> , 2016, 16, 35-46.	5.8	9
32	Measurement of endo-â€”mannosidase activity using a fluorescently labeled oligosaccharide derivative. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 927-936.	1.3	7
33	Synthesis of misfolded glycoprotein dimers through native chemical ligation of a dimeric peptide thioester. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6088-6094.	2.8	7
34	Enzymatic and molecular characterization of â€”1,3-glucanase (AglST2) from &#x201c;Streptomyces thermodiastaticus&#x201c; HF3-3 and its relation with â€”1,3-glucanase HF65 (AglST1). <i>Journal of General and Applied Microbiology</i> , 2019, 65, 18-25.	0.7	7
35	Glycan dependent refolding activity of ER glucosyltransferase (UGGT). <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129709.	2.4	7
36	Direct assay for endo-â€”mannosidase substrate preference on correctly folded and misfolded model glycoproteins. <i>Carbohydrate Research</i> , 2016, 434, 94-98.	2.3	6

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37	Synthesis of Glc<sub>1</sub>Man<sub>9</sub>â€“Glycoprotein Probes by a Misfolding/Enzymatic Glucosylation/Misfolding Sequence. <i>Angewandte Chemie</i> , 2016, 128, 4036-4039.	2.0	6
38	Practical preparation of UDP-apiose and its applications for studying apiosyltransferase. <i>Carbohydrate Research</i> , 2019, 477, 20-25.	2.3	6
39	Entrapment of Immature Amyloid Protofilaments in the Hydrophobic Domain of Schizophyllan. <i>Polymer Bulletin</i> , 2008, 61, 107-117.	3.3	5
40	Cooperative role of calnexin and TigA in <i>Aspergillus oryzae</i> glycoprotein folding. <i>Glycobiology</i> , 2015, 25, 1090-1099.	2.5	5
41	Influence of high-mannose glycan whose glucose moiety is substituted with 5-thiogluco- se on calnexin/calreticulin cycle. <i>RSC Advances</i> , 2016, 6, 76879-76882.	3.6	5
42	Purification and Characterization of Elizabethkingia L-Amino Acid Esterase: an Enzyme Useful for Enzymatic Synthesis of the Dipeptide, Valyl-Glycine. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 362-373.	2.9	5
43	Isothermal Calorimetric Analysis of Lectinâ€“Sugar Interaction. <i>Methods in Molecular Biology</i> , 2014, 1200, 207-214.	0.9	5
44	DNA Conformational Switching by Use of an Intercalator and Its Receptor. <i>Chemistry Letters</i> , 2007, 36, 388-389.	1.3	4
45	Polysaccharideâ€“templated twisted assemble of 2â€“anilinonaphthaleneâ€“6â€“sulfonic acid. <i>Journal of Polymer Science Part A</i> , 2008, 46, 1440-1448.	2.3	4
46	Development of the original wheyâ€“based vinegar using rapeseed meal or wheat bran as a raw material for koji. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e16097.	2.0	4
47	Encapsulation of Ferricytochrome c into the Nanoparticle Made from a Natural Polysaccharide: Schizophyllan. <i>Chemistry Letters</i> , 2006, 35, 1120-1121.	1.3	3
48	Complex Made from Tetrasodium N,N-Bis(carboxylatomethyl) Glutamate and Sodium Oleate that Forms a Highly Ordered Lamella in Gel Phase. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 410-417.	3.2	3
49	Deciphering the Roles of Glycan Processing in Glycoprotein Quality Control through Organic Synthesis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 2331-2338.	1.3	2
50	Characterization and Thermal Denaturation Kinetic Analysis of Recombinant L-Amino Acid Ester Hydrolase from <i>Stenotrophomonas maltophilia</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 11064-11072.	5.2	2
51	InÂ“vitro mannosidase activity of EDEM3 against asparagine-linked oligomannose-type glycans. <i>Biochemical and Biophysical Research Communications</i> , 2022, 612, 44-49.	2.1	2
52	l-tryptophan-histidine synthesis by <i>Pseudomonas</i> serine peptidase, an amino acid ester hydrolase of the peptidase family S9. <i>Enzyme and Microbial Technology</i> , 2021, 147, 109785.	3.2	1
53	Amidine-bearing lipoplex targeting to hepatocyte cells. <i>Chinese Chemical Letters</i> , 2008, 19, 1115-1118.	9.0	0
54	Functional Analysis of Endoplasmic Reticulum Glucosyltransferase (UGGT) Using Synthetic Glycans. <i>Trends in Glycoscience and Glycotechnology</i> , 2014, 26, 107-118.	0.1	0

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55	Molecular Basis of Interactions between $\alpha$ -Glucan and Dectin-1 and Their Application in Gene Delivery. Trends in Glycoscience and Glycotechnology, 2014, 26, 171-173.	0.1	0
56	Synthetic Approach to Glycoprotein Quality Control System. , 2015, , 305-312.		0
57	Cross-Linking Mechanism of Rhamnogalacturonan II through Boric Acid. Trends in Glycoscience and Glycotechnology, 2017, 29, J29-J30.	0.1	0
58	Cross-Linking Mechanism of Rhamnogalacturonan II through Boric Acid. Trends in Glycoscience and Glycotechnology, 2017, 29, E27-E28.	0.1	0
59	Chiral acidic amino acids as tethers for intramolecular glycosylation. Journal of Carbohydrate Chemistry, 2021, 40, 283-307.	1.1	0
60	UDP-glucose:Glycoprotein Glucosyltransferase-Selenof Complex: A Potential Glycoprotein-folding Machine. Trends in Glycoscience and Glycotechnology, 2022, 34, J49-J53.	0.1	0
61	UDP-glucose:Glycoprotein Glucosyltransferase-Selenof Complex: A Potential Glycoprotein-folding Machine. Trends in Glycoscience and Glycotechnology, 2022, 34, E49-E53.	0.1	0