

# Ryo Misaki

## List of Publications by Year in descending order

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44  
papers

605  
citations

687363

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45  
docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Biochemical characterization of Arabidopsis clade F polygalacturonase shows a substrate preference toward oligogalacturonic acids. <i>Journal of Bioscience and Bioengineering</i> , 2022, 133, 1-7.	2.2	4
2	Establishment of serum-free adapted Chinese hamster ovary cells with double knockout of GDP-mannose-4,6-dehydratase and GDP-fucose transporter. <i>Cytotechnology</i> , 2022, 74, 163-179.	1.6	1
3	Production of recombinant $\beta$ -glucocerebrosidase in wild-type and glycoengineered transgenic <i>Nicotiana benthamiana</i> root cultures with different N-glycan profiles. <i>Journal of Bioscience and Bioengineering</i> , 2022, 133, 481-488.	2.2	0
4	Structure and Biological Functions of Plant Glycans and Polysaccharides. , 2021, , 93-109.		3
5	Rab11-mediated post-Golgi transport of the sialyltransferase ST3GAL4 suggests a new mechanism for regulating glycosylation. <i>Journal of Biological Chemistry</i> , 2021, 296, 100354.	3.4	13
6	Direct evidence of cytosolic PNGase activity in <i>Arabidopsis thaliana</i> : <i>in vitro</i> assay system for plant cPNGase activity. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 1460-1463.	1.3	3
7	<i>Bombyx mori</i> $\beta$ 1,4-N-acetylgalactosaminyltransferase possesses relaxed donor substrate specificity in N-glycan synthesis. <i>Scientific Reports</i> , 2021, 11, 5505.	3.3	5
8	Transient Production of Human $\beta$ -Glucocerebrosidase With Mannosidic-Type N-Glycan Structure in Glycoengineered <i>Nicotiana benthamiana</i> Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 683762.	3.6	4
9	Functional characterization and overexpression of $\Delta$ 12-desaturase in the oleaginous yeast <i>Rhodotorula toruloides</i> for production of linoleic acid-rich lipids. <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 631-639.	2.2	13
10	Production of Human Acid-Alpha Glucosidase With a Paucimannose Structure by Glycoengineered <i>Arabidopsis</i> Cell Culture. <i>Frontiers in Plant Science</i> , 2021, 12, 703020.	3.6	3
11	Improved assay system for acidic peptide: N-glycanase (aPNGase) activity in plant extracts. <i>Analytical Biochemistry</i> , 2021, 634, 114367.	2.4	2
12	Analysis of N-glycan profile of <i>Arabidopsis</i> cell culture. <i>Plant Biotechnology</i> , 2021, 38, 463-467.	1.0	0
13	Transglycosylation toward naringenin-7-O-glucoside using an N180H mutant of <i>Coprinopsis cinerea</i> endo- $\beta$ -N-acetylglucosaminidase. <i>Biochemical and Biophysical Research Communications</i> , 2020, 530, 155-159.	2.1	0
14	Fully Human Monoclonal Antibodies Effectively Neutralizing Botulinum Neurotoxin Serotype B. <i>Toxins</i> , 2020, 12, 302.	3.4	6
15	Ethanol and H <sub>2</sub> O <sub>2</sub> stresses enhance lipid production in an oleaginous <i>Rhodotorula toruloides</i> thermotolerant mutant L1-1. <i>FEMS Yeast Research</i> , 2020, 20, .	2.3	13
16	Enhancement of sialylation in rIgG in glyco-engineered Chinese hamster ovary cells. <i>Cytotechnology</i> , 2020, 72, 343-355.	1.6	7
17	Characterization of <i>Bombyx mori</i> N-acetylglucosaminyltransferase II splicing variants. <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 404-410.	2.1	2
18	<i>Arabidopsis thaliana</i> $\beta$ 1,2- $\alpha$ -fucosyltransferase catalyzes the transfer of $\alpha$ -galactose to xyloglucan oligosaccharides. <i>FEBS Letters</i> , 2019, 593, 187-194.	2.8	6

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19	Delta-9 fatty acid desaturase overexpression enhanced lipid production and oleic acid content in <i>Rhodospiridium toruloides</i> for preferable yeast lipid production. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 430-440.	2.2	36
20	Enhancement of glycosylation by stable co-expression of two sialylation-related enzymes on Chinese hamster ovary cells. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 102-110.	2.2	10
21	Transcriptome sequencing and identification of cytochrome P450 monooxygenases involved in the biosynthesis of maslinic acid and corosolic acid in <i>Avicennia marina</i> . <i>Plant Biotechnology</i> , 2018, 35, 341-348.	1.0	11
22	St6gal1 knockdown alters HBV life cycle in HepAD38 cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1841-1847.	2.1	1
23	The Production of Human $\beta$ -Glucocerebrosidase in <i>Nicotiana benthamiana</i> Root Culture. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1972.	4.1	10
24	Isolation of a thermotolerant <i>Rhodospiridium toruloides</i> DMKU3-TK16 mutant and its fatty acid profile at high temperature. <i>FEMS Microbiology Letters</i> , 2018, 365, .	1.8	6
25	Fucosyltransferases produce N-glycans containing core I-galactose. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 658-663.	2.1	7
26	Cell surface N-glycan alteration in HepAD38 cell lines expressing Hepatitis B virus. <i>Virus Research</i> , 2017, 238, 101-109.	2.2	7
27	Development of a sufficient and effective procedure for transformation of an oleaginous yeast, <i>Rhodospiridium toruloides</i> DMKU3-TK16. <i>Current Genetics</i> , 2017, 63, 359-371.	1.7	21
28	The production of human glucocerebrosidase in glycoengineered <i>Nicotiana benthamiana</i> plants. <i>Plant Biotechnology Journal</i> , 2016, 14, 1682-1694.	8.3	36
29	Recombinant production and characterization of human anti-influenza virus monoclonal antibodies identified from hybridomas fused with human lymphocytes. <i>Biologicals</i> , 2016, 44, 394-402.	1.4	6
30	Core-fucosylation plays a pivotal role in hepatitis B pseudo virus infection: a possible implication for HBV glycotherapy. <i>Glycobiology</i> , 2016, 26, 1180-1189.	2.5	17
31	Substrate preference of citrus naringenin rhamnosyltransferases and their application to flavonoid glycoside production in fission yeast. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 687-696.	3.6	30
32	Production of initial-stage eukaryotic N-glycan and its protein glycosylation in <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 399-405.	2.2	14
33	Sialylation potentials of the silkworm, <i>Bombyx mori</i> ; <i>B. mori</i> possesses an active $\beta$ 2,6-sialyltransferase. <i>Glycobiology</i> , 2015, 25, 1441-1453.	2.5	31
34	The combination of plant translational enhancers and terminator increase the expression of human glucocerebrosidase in <i>Nicotiana benthamiana</i> plants. <i>Plant Science</i> , 2015, 240, 41-49.	3.6	24
35	Antibody germline characterization of cross-neutralizing human IgGs against 4 serotypes of dengue virus. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 475-480.	2.1	5
36	Dengue virus neutralization and antibody-dependent enhancement activities of human monoclonal antibodies derived from dengue patients at acute phase of secondary infection. <i>Antiviral Research</i> , 2013, 98, 423-431.	4.1	41

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37	Arabidopsis $\beta$ 1,2-xylosyltransferase: Substrate specificity and participation in the plant-specific N-glycosylation pathway. <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 48-54.	2.2	30
38	N-terminal vacuolar sorting signal at the mouse antibody alters the N-linked glycosylation pattern in suspension-cultured tobacco BY2 cells. <i>Journal of Bioscience and Bioengineering</i> , 2011, 112, 476-484.	2.2	9
39	Cloning and characterization of cytidine monophosphate-3-deoxy-d-manno-octulosonate synthetase from <i>Arabidopsis thaliana</i> . <i>Journal of Bioscience and Bioengineering</i> , 2009, 108, 527-529.	2.2	8
40	Expression of human CMP-N-acetylneuraminic acid synthetase and CMP-sialic acid transporter in tobacco suspension-cultured cell. <i>Biochemical and Biophysical Research Communications</i> , 2006, 339, 1184-1189.	2.1	42
41	Characterization of almond $\alpha$ -mannosidase and its application for structure analysis of sugar chain. <i>Journal of Bioscience and Bioengineering</i> , 2003, 96, 187-192.	2.2	8
42	N-linked glycan structures of mouse interferon- $\beta$ produced by <i>Bombyx mori</i> larvae. <i>Biochemical and Biophysical Research Communications</i> , 2003, 311, 979-986.	2.1	28
43	Plant cultured cells expressing human $\beta$ 1,4-galactosyltransferase secrete glycoproteins with galactose-extended N-linked glycans. <i>Glycobiology</i> , 2003, 13, 199-205.	2.5	48
44	Glycoproteins Secreted from Suspension-cultured Tobacco BY2 Cells have Distinct Glycan Structures from Intracellular Glycoproteins. <i>Bioscience, Biotechnology and Biochemistry</i> , 2001, 65, 2482-2488.	1.3	31