

# Yasuhiro Ozeki

## List of Publications by Year in descending order

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98  
papers

2,106  
citations

257450

24  
h-index

289244

40  
g-index

102  
all docs

102  
docs citations

102  
times ranked

1537  
citing authors

#	ARTICLE	IF	CITATIONS
1	Methyl $\hat{1}^2$ -D-galactopyranoside esters as potential inhibitors for SARS-CoV-2 protease enzyme: synthesis, antimicrobial, PASS, molecular docking, molecular dynamics simulations and quantum computations. <i>Glycoconjugate Journal</i> , 2022, 39, 261-290.	2.7	16
2	Synthesis, antimicrobial, anticancer activities, PASS prediction, molecular docking, molecular dynamics and pharmacokinetic studies of designed methyl $\hat{1}^2$ -D-galactopyranoside esters. <i>Journal of Molecular Structure</i> , 2022, 1260, 132761.	3.6	27
3	Synthesis of new series of pyrimidine nucleoside derivatives bearing the acyl moieties as potential antimicrobial agents. <i>Pharmacia</i> , 2021, 68, 23-34.	1.2	17
4	Synthesis, Characterization, and Molecular Docking Against a Receptor Protein FimH of <i>Escherichia coli</i> (4XO8) of Thymidine Derivatives. <i>Journal of the Mexican Chemical Society</i> , 2021, 65, .	0.6	18
5	Synthesis, Antibacterial and Cytotoxicity Assessment of Modified Uridine Molecules. , 2021, , 114-129.		10
6	In silico DFT study, molecular docking, and ADMET predictions of cytidine analogs with antimicrobial and anticancer properties. <i>In Silico Pharmacology</i> , 2021, 9, 42.	3.3	26
7	Antiproliferative and Antimicrobial Potentials of a Lectin from <i>Aplysia kurodai</i> (Sea Hare) Eggs. <i>Marine Drugs</i> , 2021, 19, 394.	4.6	8
8	Thermochemical, PASS, Molecular Docking, Drug-Likeness and In Silico ADMET Prediction of Cytidine Derivatives against HIV-1 Reverse Transcriptase. <i>Revista De Chimie (discontinued)</i> , 2021, 72, 159-178.	0.4	12
9	Diverse Localization Patterns of an R-Type Lectin in Marine Annelids. <i>Molecules</i> , 2021, 26, 4799.	3.8	1
10	Synthesis, characterization, synergistic antimicrobial properties and molecular docking of sugar modified uridine derivatives. <i>Analele UniversitĂfEii Ovidius ConstanEa: Seria Chimie</i> , 2021, 32, 6-21.	0.9	20
11	Synthesis, Antimicrobial, Anticancer, PASS, Molecular Docking, Molecular Dynamic Simulations & Pharmacokinetic Predictions of Some Methyl $\hat{1}^2$ -D-Galactopyranoside Analogs. <i>Molecules</i> , 2021, 26, 7016.	3.8	12
12	A GM1b/asialo-GM1 oligosaccharide-binding R-type lectin from purplish bifurcate mussels <i>Mytilisepta virgata</i> and its effect on MAP kinases. <i>FEBS Journal</i> , 2020, 287, 2612-2630.	4.7	9
13	Catfish egg lectin affects influx and efflux rates of sunitinib in human cervical carcinoma HeLa cells. <i>Glycobiology</i> , 2020, 30, 802-816.	2.5	2
14	Purification and Functional Characterization of the Effects on Cell Signaling of Mytilectin: A Novel $\hat{1}^2$ -Trefoil Lectin from Marine Mussels. <i>Methods in Molecular Biology</i> , 2020, 2132, 201-213.	0.9	1
15	The structure of SeviL, a GM1b/asialo-GM1 binding R-type lectin from the mussel <i>Mytilisepta virgata</i> . <i>Scientific Reports</i> , 2020, 10, 22102.	3.3	4
16	Thermochemical, DFT, Molecular Docking and Pharmacokinetic Studies of Methyl $\hat{1}^2$ -D-galactopyranoside Esters. <i>SDRP Journal of Computational Chemistry &amp; Molecular Modelling</i> , 2020, 4, 452-462.	0.3	10
17	MytiLec-1 Shows Glycan-Dependent Toxicity against Brine Shrimp <i>Artemia</i> and Induces Apoptotic Death of Ehrlich Ascites Carcinoma Cells In Vivo. <i>Marine Drugs</i> , 2019, 17, 502.	4.6	13
18	Functional Characterization of OXYL, A SghC1qDC LacNAc-specific Lectin from The Crinoid Feather Star <i>Anneissia Japonica</i> . <i>Marine Drugs</i> , 2019, 17, 136.	4.6	11

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19	Response to the editorial "Fake news" (Feb. 2018) by Prof. Brian Morton. <i>Marine Pollution Bulletin</i> , 2019, 141, 363-365.	5.0	0
20	Histochemical localization of N-acetylhexosamine-binding lectin HOL-18 in <i>Halichondria okadai</i> (Japanese black sponge), and its antimicrobial and cytotoxic anticancer effects. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 819-827.	7.5	12
21	Microbial efficacy and two step synthesis of uridine derivatives with spectral characterization. <i>ACTA Pharmaceutica Scientia</i> , 2019, 57, 47.	0.2	12
22	Phylogeny and Properties of a Novel Lectin Family with $\hat{I}^2$ -Trefoil Folding in Mussels. <i>Trends in Glycoscience and Glycotechnology</i> , 2018, 30, J155-J168.	0.1	2
23	Phylogeny and Properties of a Novel Lectin Family with $\hat{I}^2$ -Trefoil Folding in Mussels. <i>Trends in Glycoscience and Glycotechnology</i> , 2018, 30, E195-E208.	0.1	3
24	Mutant botrocetin-2 inhibits von Willebrand factor-induced platelet agglutination. <i>Journal of Thrombosis and Haemostasis</i> , 2017, 15, 538-548.	3.8	8
25	Catfish rhamnose-binding lectin induces G0/1 cell cycle arrest in Burkitt's lymphoma cells via membrane surface Gb3. <i>Glycoconjugate Journal</i> , 2017, 34, 127-138.	2.7	18
26	Computational design of a symmetrical $\hat{I}^2$ -trefoil lectin with cancer cell binding activity. <i>Scientific Reports</i> , 2017, 7, 5943.	3.3	35
27	Internalization of a novel, huge lectin from <i>Ibacus novemdentatus</i> (slipper lobster) induces apoptosis of mammalian cancer cells. <i>Glycoconjugate Journal</i> , 2017, 34, 85-94.	2.7	14
28	The purplish bifurcate mussel <i>Mytilisepta virgata</i> gene expression atlas reveals a remarkable tissue functional specialization. <i>BMC Genomics</i> , 2017, 18, 590.	2.8	32
29	Simple and rapid synthesis of some nucleoside derivatives: structural and spectral characterization. <i>Current Chemistry Letters</i> , 2016, , 83-92.	1.6	12
30	cDNA and Gene Structure of MytiLec-1, A Bacteriostatic R-Type Lectin from the Mediterranean Mussel ( <i>Mytilus galloprovincialis</i> ). <i>Marine Drugs</i> , 2016, 14, 92.	4.6	32
31	Crystal structure of MytiLec, a galactose-binding lectin from the mussel <i>Mytilus galloprovincialis</i> with cytotoxicity against certain cancer cell types. <i>Scientific Reports</i> , 2016, 6, 28344.	3.3	39
32	RAMA casein zymography: Time-saving and highly sensitive casein zymography for MMP7 and trypsin. <i>Electrophoresis</i> , 2016, 37, 2959-2962.	2.4	5
33	$\hat{I}^2$ -Galactoside-mediated tissue organization during islet reconstitution. <i>Regenerative Therapy</i> , 2016, 3, 11-14.	3.0	1
34	Purification and characterization of a novel chitinase from <i>Trichosanthes dioica</i> seed with antifungal activity. <i>International Journal of Biological Macromolecules</i> , 2016, 84, 62-68.	7.5	39
35	Application of DNA adductomics to soil bacterium <i>Sphingobium</i> sp. strain KK22. <i>MicrobiologyOpen</i> , 2015, 4, 841-856.	3.0	19
36	MytiLec, a Mussel R-Type Lectin, Interacts with Surface Glycan Gb3 on Burkitt's Lymphoma Cells to Trigger Apoptosis through Multiple Pathways. <i>Marine Drugs</i> , 2015, 13, 7377-7389.	4.6	43

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37	A Sialic Acid-binding Lectin (SBL) Dependent Apoptosis is Triggered by Sialylated-glycoconjugates in GEM of P388 Cells. Journal of the Society of Japanese Women Scientists, 2015, 15, 39-45.	0.0	0
38	Aerobic biotransformation of 3-methylindole to ring cleavage products by Cupriavidus sp. strain KK10. Biodegradation, 2015, 26, 359-373.	3.0	20
39	Biotransformation of indole by Cupriavidus sp. strain KK10 proceeds through N-heterocyclic- and carbocyclic-aromatic ring cleavage and production of indigoids. International Biodeterioration and Biodegradation, 2015, 97, 13-24.	3.9	43
40	Sphingobium barthaii sp. nov., a high molecular weight polycyclic aromatic hydrocarbon-degrading bacterium isolated from cattle pasture soil. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 2919-2924.	1.7	28
41	Acylation of D-Glucose Derivatives over C5H5N: Spectral Characterization and in vitro Antibacterial Activities. International Journal of Biological Chemistry, 2015, 9, 269-282.	0.3	4
42	Chemically Modified Uridine Molecules Incorporating Acyl Residues to Enhance Antibacterial and Cytotoxic Activities. International Journal of Organic Chemistry, 2015, 05, 232-245.	0.7	21
43	Synthesis, Characterization and Antibacterial Susceptibility of some Benzenesulfonyl and N-Acetylsulfanyl Derivatives of Methyl $\beta$ -D-Glucopyranoside. Current Research in Chemistry, 2015, 7, 21-33.	1.0	2
44	A Galactose-Binding Lectin Isolated from Aplysia kurodai (Sea Hare) Eggs Inhibits Streptolysin-Induced Hemolysis. Molecules, 2014, 19, 13990-14003.	3.8	5
45	Biotransformation of the high-molecular weight polycyclic aromatic hydrocarbon (<sc>PAH</sc>) benzo[ <i>k</i> ]fluoranthene by <sc>S</sc> <sc>phingobium</sc> sp. strain <sc>KK</sc>22 and identification of new products of non-alternant <sc>PAH</sc> biodegradation by liquid chromatography electrospray ionization tandem mass spectrometry. Microbial Biotechnology, 2014, 7, 114-120.	4.2	36
46	Regioselective Synthesis, Characterization, and Antimicrobial Activities of Some New Monosaccharide Derivatives. Scientia Pharmaceutica, 2014, 82, 1-20.	2.0	31
47	Sialyl-glycoconjugates in cholesterol-rich microdomains of P388 cells are the triggers for apoptosis induced by Rana catesbeiana oocyte ribonuclease. Glycoconjugate Journal, 2014, 31, 171-184.	2.7	13
48	Binding profiles and cytokine-inducing effects of fish rhamnose-binding lectins on Burkitt's lymphoma Raji cells. Fish Physiology and Biochemistry, 2014, 40, 1559-1572.	2.3	11
49	Purification of a novel chitin-binding lectin with antimicrobial and antibiofilm activities from a bangladeshi cultivar of potato (Solanum tuberosum). Indian Journal of Biochemistry and Biophysics, 2014, 51, 142-8.	0.0	25
50	Domain composition of rhamnose-binding lectin from shishamo smelt eggs and its carbohydrate-binding profiles. Fish Physiology and Biochemistry, 2013, 39, 1619-1630.	2.3	20
51	Draft Genome Sequence of <sc>Sphingobium</sc> sp. Strain KK22, a High-Molecular-Weight Polycyclic Aromatic Hydrocarbon-Degrading Bacterium Isolated from Cattle Pasture Soil. Genome Announcements, 2013, 1, .	0.8	13
52	A lectin from the mussel Mytilus galloprovincialis has a highly novel primary structure and induces glycan-mediated cytotoxicity of globotriaosylceramide-expressing lymphoma cells.. Journal of Biological Chemistry, 2013, 288, 6588.	3.4	1
53	Benz[ <i>a</i> ]anthracene Biotransformation and Production of Ring Fission Products by <sc>Sphingobium</sc> sp. Strain KK22. Applied and Environmental Microbiology, 2013, 79, 4410-4420.	3.1	47
54	Fine Bubble Mixing (FBM) Culture of E. coli: A Highly Cost-effective Middle Scale-size Culture System. Protein and Peptide Letters, 2013, 20, 213-217.	0.9	0

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55	Cytotoxicity and Glycan-Binding Properties of an 18 kDa Lectin Isolated from the Marine Sponge <i>Halichondria okadai</i> . <i>Toxins</i> , 2012, 4, 323-338.	3.4	24
56	A Lectin from the Mussel <i>Mytilus galloprovincialis</i> Has a Highly Novel Primary Structure and Induces Glycan-mediated Cytotoxicity of Globotriaosylceramide-expressing Lymphoma Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 44772-44783.	3.4	77
57	Identification and Recombinant Analysis of Botrocetin-2, a Snake Venom Cofactor for von Willebrand Factor-Induced Platelet Agglutination. <i>Biochemistry</i> , 2012, 51, 5329-5338.	2.5	8
58	MRP1 Expressed on Burkitt's Lymphoma Cells was Depleted by Catfish Egg Lectin Through Gb3-Glycosphingolipid and Enhanced Cytotoxic Effect of Drugs. <i>Protein Journal</i> , 2012, 31, 15-26.	1.6	11
59	A d-galactose-binding lectin purified from coronate moon turban, Turbo ( <i>Lunella</i> ) <i>corensis</i> , with a unique amino acid sequence and the ability to recognize lacto-series glycosphingolipids. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2011, 158, 30-37.	1.6	16
60	Glycomics of a novel type-2 N-acetyllactosamine-specific lectin purified from the feather star, <i>Oxycomanthus japonicus</i> (Pelmatozoa: Crinoidea). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2011, 158, 266-273.	1.6	15
61	Cytotoxicity and Glycan-Binding Profile of a d-Galactose-Binding Lectin from the Eggs of a Japanese Sea Hare ( <i>Aplysia kurodai</i> ). <i>Protein Journal</i> , 2011, 30, 509-519.	1.6	26
62	Antiproliferative effects of galectin-1 from <i>Rana catesbeiana</i> eggs on human leukemia cells and its binding proteins in human cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2011, 47, 728-734.	1.5	0
63	Production of Active MMP7 in <i>E. coli</i> and Its Application for Metalloproteinase Inhibitors Screening. <i>Protein and Peptide Letters</i> , 2010, 17, 568-572.	0.9	4
64	RAMA stain: A fast, sensitive and less protein-modifying CBB R250 stain. <i>Electrophoresis</i> , 2010, 31, 1913-1917.	2.4	20
65	CGP stain: An inexpensive, odorless, rapid, sensitive, and in principle in vitro methylation-free Coomassie Brilliant Blue stain. <i>Analytical Biochemistry</i> , 2010, 406, 86-88.	2.4	15
66	The cytotoxic activity of two D-galactose-binding lectins purified from marine invertebrates. <i>Archives of Biological Sciences</i> , 2010, 62, 1027-1034.	0.5	8
67	Purification and biochemical characterization of a D-galactose binding lectin from Japanese sea hare ( <i>Aplysia kurodai</i> ) eggs. <i>Biochemistry (Moscow)</i> , 2009, 74, 709-716.	1.5	20
68	Glycan-binding profile of a D-galactose binding lectin purified from the annelid, <i>Perinereis nuntia</i> ver. <i>vallata</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2009, 152, 382-389.	1.6	25
69	Glycan-Binding Profile and Cell Adhesion Activity of American Bullfrog ( <i>Rana catesbeiana</i> ) Oocyte Galectin-1. <i>Protein and Peptide Letters</i> , 2009, 16, 677-684.	0.9	7
70	Purification and Characterization of a D-Galactoside-Binding Lectin Purified from Bladder Moon Shell ( <i>Glossaulax didyma</i> Roding). <i>Journal of Biological Sciences</i> , 2009, 9, 319-325.	0.3	8
71	Isolation, purification, characterization and glycan-binding profile of a d-galactoside specific lectin from the marine sponge, <i>Halichondria okadai</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 150, 349-357.	1.6	43
72	Identification and Quantification of Phenolic Acids in <i>Macrotyloma uniflorum</i> by Reversed Phase-HPLC. <i>American Journal of Plant Physiology</i> , 2008, 3, 165-172.	0.2	26

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73	Chemical Constituents and Hemolytic Activity of <i>Macrotyloma uniflorum</i> L.. International Journal of Biological Chemistry, 2008, 3, 42-48.	0.3	15
74	Biological Investigation of <i>Macrotyloma uniflorum</i> Linn. Extracts Against Some Pathogens. Journal of Biological Sciences, 2008, 8, 1051-1056.	0.3	17
75	Amino acid sequence and characterization of C-type lectin purified from the snake venom of <i>Crotalus ruber</i> . Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2007, 146, 299-306.	1.6	10
76	Anterograde axonal transport of endopeptidase 24.15 in rat sciatic nerves. Neurochemistry International, 2003, 42, 231-237.	3.8	12
77	Comparative study of blood group-recognizing lectins toward ABO blood group antigens on neoglycoproteins, glycoproteins and complex-type oligosaccharides. Biochimica Et Biophysica Acta - General Subjects, 2001, 1525, 50-57.	2.4	20
78	Purification and cell attachment activity of a D-galactose-binding lectin from the skin of sea hare, <i>Aplysia Kurodai</i> . IUBMB Life, 1998, 45, 989-995.	3.4	2
79	Purification and Characterization of Kaouthiagin, a von Willebrand Factor-Binding and -Cleaving Metalloproteinase from <i>Naja kaouthia</i> Cobra Venom. Thrombosis and Haemostasis, 1998, 80, 499-505.	3.4	65
80	Distribution and localization of galectin purified from <i>Rana catesbeiana</i> oocytes. Glycobiology, 1997, 7, 1159-1165.	2.5	7
81	Interaction of von Willebrand Factor with the Extracellular Matrix and Glycocalicin under Static Conditions. Journal of Biochemistry, 1997, 121, 376-381.	1.7	14
82	d-Galactoside-Specific Lectins from the Body Wall of an Echiuroid ( <i>Urechis unicinctus</i> ) and Two Annelids ( <i>Neanthes japonica</i> and <i>Marphysa sanguinea</i> ). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1997, 118, 1-6.	1.6	11
83	Purification of a 63 kDa $\beta$ -D-galactoside binding lectin from cuttlefish, <i>Todarodes pacificus</i> . IUBMB Life, 1997, 41, 633-640.	3.4	2
84	Purification and Characterization of Bitiscetin, a Novel von Willebrand Factor Modulator Protein from <i>Bitis arietans</i> Snake Venom. Biochemical and Biophysical Research Communications, 1996, 226, 273-279.	2.1	65
85	An N-linked high-mannose type oligosaccharide, expressed at the major outer membrane protein of <i>Chlamydia trachomatis</i> , mediates attachment and infectivity of the microorganism to HeLa cells.. Journal of Clinical Investigation, 1996, 98, 2813-2818.	8.2	115
86	Binding of human IgM from a rheumatoid factor to IgG of 12 animal species. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1995, 112, 683-688.	1.6	4
87	Developmental Expression of D-Galactoside-Binding Lectin in Sea Urchin ( <i>Anthocidaris crassispina</i> ) Eggs. Experimental Cell Research, 1995, 216, 318-324.	2.6	31
88	Tissue fibronectin is an endogenous ligand for galectin-1. Glycobiology, 1995, 5, 255-261.	2.5	111
89	C-Type Galactoside-Binding Lectin from <i>Bothrops jararaca</i> Venom: Comparison of Its Structure and Function with Those of Botroctetin. Archives of Biochemistry and Biophysics, 1994, 308, 306-310.	3.0	47
90	Purification and Characterization of Two Ca <sup>2+</sup> -Dependent Lectins from Coelomic Plasma of Sea Cucumber, <i>Stichopus japonicus</i> 1. Journal of Biochemistry, 1994, 116, 1127-1133.	1.7	36

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91	Comparative studies of asparagine-linked sugar chains of immunoglobulin G from eleven mammalian species. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1993, 106, 949-954.	0.2	19
92	Primary structure of two-chain botrocetin, a von Willebrand factor modulator purified from the venom of <i>Bothrops jararaca</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 928-932.	7.1	118
93	Amino acid sequence and molecular characterization of a D-galactoside-specific lectin purified from sea urchin ( <i>Anthocidaris crassispina</i> ) eggs. <i>Biochemistry</i> , 1991, 30, 2391-2394.	2.5	115
94	Purification and characterization of $\beta$ -galactoside binding lectin from frog ( <i>Rana catesbeiana</i> ) eggs. <i>Biochemical and Biophysical Research Communications</i> , 1991, 178, 407-413.	2.1	27
95	Cell adhesive activity of two animal lectins through different recognition mechanisms. <i>FEBS Letters</i> , 1991, 289, 145-147.	2.8	13
96	Simple analytical procedure for the analysis of the chlorophyll protein complex in rice. <i>Breeding Science</i> , 1990, 40, 295-301.	0.2	0
97	Infrared, <sup>1</sup> H-NMR Spectral Studies of some Methyl 6-O-Myristoyl- $\beta$ -D-Glucopyranoside Derivatives: Assessment of Antimicrobial Effects. <i>International Letters of Chemistry, Physics and Astronomy</i> , 0, 58, 122-136.	0.0	8
98	Benzenesulfonylation of Methyl $\beta$ -D-Glucopyranoside: Synthesis, Characterization and Antibacterial Screening. <i>International Letters of Chemistry, Physics and Astronomy</i> , 0, 64, 95-105.	0.0	5