Yasuhiro Ozeki

List of Publications by Year
in descending order

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	Primary structure of two-chain botrocetin, a von Willebrand factor modulator purified from the venom of Bothrops jararaca.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 928-932.	7.1	118
2	Amino acid sequence and molecular characterization of a D-galactoside-specific lectin purified from sea urchin (Anthocidaris crassispina) eggs. Biochemistry, 1991, 30, 2391-2394.	2.5	115
3	An N-linked high-mannose type oligosaccharide, expressed at the major outer membrane protein of Chlamydia trachomatis, mediates attachment and infectivity of the microorganism to HeLa cells.. Journal of Clinical Investigation, 1996, 98, 2813-2818.	8.2	115
4	Tissue fibronectin is an endogenous ligand for galectin-1. Glycobiology, 1995, 5, 255-261.	2.5	111
5	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, 2012, 287, 44772-44783.	3.4	77
6	Purification and Characterization of Bitiscetin, a Novel von Willebrand Factor Modulator Protein fromBitis arietansSnake Venom. Biochemical and Biophysical Research Communications, 1996, 226, 273-279.	2.1	65
7	Purification and Characterization of Kaouthiagin, a von Willebrand Factor-Binding and -Cleaving Metalloproteinase from Naja kaouthia Cobra Venom. Thrombosis and Haemostasis, 1998, 80, 499-505.	3.4	65
8	C-Type Galactoside-Binding Lectin from Bothrops jararaca Venom: Comparison of Its Structure and Function with Those of Botrocetin. Archives of Biochemistry and Biophysics, 1994, 308, 306-310.	3.0	47
9	Benz[a]anthracene Biotransformation and Production of Ring Fission Products by Sphingobium sp. Strain KK22. Applied and Environmental Microbiology, 2013, 79, 4410-4420.	3.1	47
10	Isolation, purification, characterization and glycan-binding profile of a d-galactoside specific lectin from the marine sponge, Halichondria okadai. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2008, 150, 349-357.	1.6	43
11	MytiLec, a Mussel R-Type Lectin, Interacts with Surface Glycan Gb3 on Burkittâ€™s Lymphoma Cells to Trigger Apoptosis through Multiple Pathways. Marine Drugs, 2015, 13, 7377-7389.	4.6	43
12	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
13	Crystal structure of MytiLec, a galactose-binding lectin from the mussel Mytilus galloprovincialis with cytotoxicity against certain cancer cell types. Scientific Reports, 2016, 6, 28344.	3.3	39
14	Purification and characterization of a novel chitinase from Trichosanthes dioica seed with antifungal activity. International Journal of Biological Macromolecules, 2016, 84, 62-68.	7.5	39
15	Purification and Characterization of Two Ca2+-Dependent Lectins from Coelomic Plasma of Sea Cucumber, Stichopus japonicus1. Journal of Biochemistry, 1994, 116, 1127-1133.	1.7	36
16	Biotransformation of the highâ€molecular weight polycyclic aromatic hydrocarbon (<scp>PAH</scp>) benzo[k]fluoranthene by <scp>S</scp>phingobium sp. strain <scp>KK</scp>22 and identification of new products of nonâ€alternant <scp>PAH</scp> biodegradation by liquid chromatography electrospray ionization tandem mass spectrometry. Microbial Biotechnology, 2014, 7, 114-129.	4.2	36
17	Computational design of a symmetrical Î²-trefoil lectin with cancer cell binding activity. Scientific Reports, 2017, 7, 5943.	3.3	35
18	cDNA and Gene Structure of MytiLec-1, A Bacteriostatic R-Type Lectin from the Mediterranean Mussel (Mytilus galloprovincialis). Marine Drugs, 2016, 14, 92.	4.6	32

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19	The purplish bifurcate mussel Mytilisepta virgata gene expression atlas reveals a remarkable tissue functional specialization. BMC Genomics, 2017, 18, 590.	2.8	32
20	Developmental Expression of D-Galactoside-Binding Lectin in Sea Urchin (Anthocidaris crassispina) Eggs. Experimental Cell Research, 1995, 216, 318-324.	2.6	31
21	Regioselective Synthesis, Characterization, and Antimicrobial Activities of Some New Monosaccharide Derivatives. Scientia Pharmaceutica, 2014, 82, 1-20.	2.0	31
22	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
23	Purification and characterization of Î²-galactoside binding lectin from frog (Rana catesbeiana) eggs. Biochemical and Biophysical Research Communications, 1991, 178, 407-413.	2.1	27
24	Synthesis, antimicrobial, anticancer activities, PASS prediction, molecular docking, molecular dynamics and pharmacokinetic studies of designed methyl Î±-D-glucopyranoside esters. Journal of Molecular Structure, 2022, 1260, 132761.	3.6	27
25	Cytotoxicity and Glycan-Binding Profile of a d-Galactose-Binding Lectin from the Eggs of a Japanese Sea Hare (Aplysia kurodai). Protein Journal, 2011, 30, 509-519.	1.6	26
26	In silico DFT study, molecular docking, and ADMET predictions of cytidine analogs with antimicrobial and anticancer properties. In Silico Pharmacology, 2021, 9, 42.	3.3	26
27	Identification and Quantification of Phenolic Acids in Macrotyloma uniflorum by Reversed Phase-HPLC. American Journal of Plant Physiology, 2008, 3, 165-172.	0.2	26
28	Glycan-binding profile of a D-galactose binding lectin purified from the annelid, Perinereis nuntia ver. vallata. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2009, 152, 382-389.	1.6	25
29	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
30	Cytotoxicity and Glycan-Binding Properties of an 18 kDa Lectin Isolated from the Marine Sponge Halichondria okadai. Toxins, 2012, 4, 323-338.	3.4	24
31	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
32	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
33	Purification and biochemical characterization of a D-galactose binding lectin from Japanese sea hare (Aplysia kurodai) eggs. Biochemistry (Moscow), 2009, 74, 709-716.	1.5	20
34	RAMA stain: A fast, sensitive and less protein-modifying CBB R250 stain. Electrophoresis, 2010, 31, 1913-1917.	2.4	20
35	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
36	Aerobic biotransformation of 3-methylindole to ring cleavage products by Cupriavidus sp. strain KK10. Biodegradation, 2015, 26, 359-373.	3.0	20

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37	Synthesis, characterization, synergistic antimicrobial properties and molecular docking of sugar modified uridine derivatives. Analele UniversitÄƒÈ›ii Ovidius ConstanÈ›a: Seria Chimie, 2021, 32, 6-21.	0.9	20
38	Comparative studies of asparagine-linked sugar chains of immunoglobulin G from eleven mammalian species. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1993, 106, 949-954.	0.2	19
39	Application of <scp>DNA</scp> adductomics to soil bacterium Sphingobium sp. strain <scp>KK</scp>22. MicrobiologyOpen, 2015, 4, 841-856.	3.0	19
40	Catfish rhamnose-binding lectin induces G0/1 cell cycle arrest in Burkittâ€™s lymphoma cells via membrane surface Gb3. Glycoconjugate Journal, 2017, 34, 127-138.	2.7	18
41	Synthesis, Characterization, and Molecular Docking Against a Receptor Protein FimH of Escherichia coli (4XO8) of Thymidine Derivatives. Journal of the Mexican Chemical Society, 2021, 65, .	0.6	18
42	Synthesis of new series of pyrimidine nucleoside derivatives bearing the acyl moieties as potential antimicrobial agents. Pharmacia, 2021, 68, 23-34.	1.2	17
43	Biological Investigation of Macrotyloma uniflorum Linn. Extracts Against Some Pathogens. Journal of Biological Sciences, 2008, 8, 1051-1056.	0.3	17
44	A d-galactose-binding lectin purified from coronate moon turban, Turbo (Lunella) coreensis, with a unique amino acid sequence and the ability to recognize lacto-series glycosphingolipids. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2011, 158, 30-37.	1.6	16
45	Methyl Î²-D-galactopyranoside esters as potential inhibitors for SARS-CoV-2 protease enzyme: synthesis, antimicrobial, PASS, molecular docking, molecular dynamics simulations and quantum computations. Glycoconjugate Journal, 2022, 39, 261-290.	2.7	16
46	CGP stain: An inexpensive, odorless, rapid, sensitive, and in principle in vitro methylation-free Coomassie Brilliant Blue stain. Analytical Biochemistry, 2010, 406, 86-88.	2.4	15
47	Glycomics of a novel type-2 N-acetyllactosamine-specific lectin purified from the feather star, Oxycomanthus japonicus (Pelmatozoa: Crinoidea). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2011, 158, 266-273.	1.6	15
48	Chemical Constituents and Hemolytic Activity of Macrotyloma uniflorum L.. International Journal of Biological Chemistry, 2008, 3, 42-48.	0.3	15
49	Interaction of von Willebrand Factor with the Extracellular Matrix and Glycocalicin under Static Conditions. Journal of Biochemistry, 1997, 121, 376-381.	1.7	14
50	Internalization of a novel, huge lectin from Ibacus novemdentatus (slipper lobster) induces apoptosis of mammalian cancer cells. Glycoconjugate Journal, 2017, 34, 85-94.	2.7	14
51	Cell adhesive activity of two animal lectins through different recognition mechanisms. FEBS Letters, 1991, 289, 145-147.	2.8	13
52	Draft Genome Sequence of Sphingobium sp. Strain KK22, a High-Molecular-Weight Polycyclic Aromatic Hydrocarbon-Degrading Bacterium Isolated from Cattle Pasture Soil. Genome Announcements, 2013, 1, .	0.8	13
53	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
54	MytiLec-1 Shows Glycan-Dependent Toxicity against Brine Shrimp Artemia and Induces Apoptotic Death of Ehrlich Ascites Carcinoma Cells In Vivo. Marine Drugs, 2019, 17, 502.	4.6	13

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55	Anterograde axonal transport of endopeptidase 24.15 in rat sciatic nerves. Neurochemistry International, 2003, 42, 231-237.	3.8	12
56	Simple and rapid synthesis of some nucleoside derivatives: structural and spectral characterization. Current Chemistry Letters, 2016, , 83-92.	1.6	12
57	Histochemical localization of N-acetylhexosamine-binding lectin HOL-18 in Halichondria okadai (Japanese black sponge), and its antimicrobial and cytotoxic anticancer effects. International Journal of Biological Macromolecules, 2019, 124, 819-827.	7.5	12
58	Thermochemical, PASS, Molecular Docking, Drug-Likeness and In Silico ADMET Prediction of Cytidine Derivatives against HIV-1 Reverse Transcriptase. Revista De Chimie (discontinued), 2021, 72, 159-178.	0.4	12
59	Microbial efficacy and two step synthesis of uridine derivatives with spectral characterization. ACTA Pharmaceutica Sciencia, 2019, 57, 47.	0.2	12
60	Synthesis, Antimicrobial, Anticancer, PASS, Molecular Docking, Molecular Dynamic Simulations & Pharmacokinetic Predictions of Some Methyl Î²-D-Galactopyranoside Analogs. Molecules, 2021, 26, 7016.	3.8	12
61	d-Galactoside-Specific Lectins from the Body Wall of an Echiuroid (Urechis unicinctus) and Two Annelids (Neanthes japonica and Marphysa sanguinea). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1997, 118, 1-6.	1.6	11
62	MRP1 Expressed on Burkittâ€™s Lymphoma Cells was Depleted by Catfish Egg Lectin Through Gb3-Glycosphingolipid and Enhanced Cytotoxic Effect of Drugs. Protein Journal, 2012, 31, 15-26.	1.6	11
63	Binding profiles and cytokine-inducing effects of fish rhamnose-binding lectins on Burkittâ€™s lymphoma Raji cells. Fish Physiology and Biochemistry, 2014, 40, 1559-1572.	2.3	11
64	Functional Characterization of OXYL, A SghC1qDC LacNAc-specific Lectin from The Crinoid Feather Star Anneissia Japonica. Marine Drugs, 2019, 17, 136.	4.6	11
65	Amino acid sequence and characterization of C-type lectin purified from the snake venom of Crotalus ruber. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2007, 146, 299-306.	1.6	10
66	Synthesis, Antibacterial and Cytotoxicity Assessment of Modified Uridine Molecules. , 2021, , 114-129.		10
67	Thermochemical, DFT, Molecular Docking and Pharmacokinetic Studies of Methyl Î²-D-galactopyranoside Esters. SDRP Journal of Computational Chemistry & Molecular Modelling, 2020, 4, 452-462.	0.3	10
68	A GM1b/asialoâ€GM1 oligosaccharideâ€binding Râ€type lectin from purplish bifurcate mussels MytiliseptaÂvirgata and its effect on MAP kinases. FEBS Journal, 2020, 287, 2612-2630.	4.7	9
69	Identification and Recombinant Analysis of Botrocetin-2, a Snake Venom Cofactor for von Willebrand Factor-Induced Platelet Agglutination. Biochemistry, 2012, 51, 5329-5338.	2.5	8
70	Mutant botrocetin-2 inhibits von Willebrand factor-induced platelet agglutination. Journal of Thrombosis and Haemostasis, 2017, 15, 538-548.	3.8	8
71	Antiproliferative and Antimicrobial Potentials of a Lectin from Aplysia kurodai (Sea Hare) Eggs. Marine Drugs, 2021, 19, 394.	4.6	8
72	Infrared, ¹H-NMR Spectral Studies of some Methyl 6-O-Myristoyl-Î±-D-Glucopyranoside Derivatives: Assessment of Antimicrobial Effects. International Letters of Chemistry, Physics and Astronomy, 0, 58, 122-136.	0.0	8

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73	The cytotoxic activity of two D-galactose-binding lectins purified from marine invertebrates. Archives of Biological Sciences, 2010, 62, 1027-1034.	0.5	8
74	Purification and Characterization of a D-Galactoside-Binding Lectin Purified from Bladder Moon Shell (Glossaulax didyma Roding). Journal of Biological Sciences, 2009, 9, 319-325.	0.3	8
75	Distribution and localization of galectin purified from Rana catesbeiana oocytes. Glycobiology, 1997, 7, 1159-1165.	2.5	7
76	Glycan-Binding Profile and Cell Adhesion Activity of American Bullfrog (Rana catesbeiana) Oocyte Galectin-1. Protein and Peptide Letters, 2009, 16, 677-684.	0.9	7
77	A Galactose-Binding Lectin Isolated from Aplysia kurodai (Sea Hare) Eggs Inhibits Streptolysin-Induced Hemolysis. Molecules, 2014, 19, 13990-14003.	3.8	5
78	RAMA casein zymography: Timeâ€saving and highly sensitive casein zymography for MMP7 and trypsin. Electrophoresis, 2016, 37, 2959-2962.	2.4	5
79	Benzenesulfonylation of Methyl Î±-D-Glucopyranoside: Synthesis, Characterization and Antibacterial Screening. International Letters of Chemistry, Physics and Astronomy, 0, 64, 95-105.	0.0	5
80	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
81	Production of Active MMP7 in E. coli and Its Application for Metalloproteinase Inhibitors Screening. Protein and Peptide Letters, 2010, 17, 568-572.	0.9	4
82	The structure of SeviL, a GM1b/asialo-GM1 binding R-type lectin from the mussel Mytilisepta virgata. Scientific Reports, 2020, 10, 22102.	3.3	4
83	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
84	Phylogeny and Properties of a Novel Lectin Family with Î²-Trefoil Folding in Mussels. Trends in Glycoscience and Glycotechnology, 2018, 30, E195-E208.	0.1	3
85	Purification of a 63 kDa Î²-d-galactoside binding lectin from cuttlefish, Todarodes pacificus. IUBMB Life, 1997, 41, 633-640.	3.4	2
86	Purification and cell attachment activity of a D-galactose-binding lectin from the skin of sea hare,Aplysia Kurodai. IUBMB Life, 1998, 45, 989-995.	3.4	2
87	Phylogeny and Properties of a Novel Lectin Family with Î²-Trefoil Folding in Mussels. Trends in Glycoscience and Glycotechnology, 2018, 30, J155-J168.	0.1	2
88	Catfish egg lectin affects influx and efflux rates of sunitinib in human cervical carcinoma HeLa cells. Glycobiology, 2020, 30, 802-816.	2.5	2
89	Synthesis, Characterization and Antibacterial Susceptibility of some Benzenesulfonyl and N-Acetylsulfanilyl Derivatives of Methyl Î±-D-Glucopyranoside. Current Research in Chemistry, 2015, 7, 21-33.	1.0	2
90	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

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91	Î²-Galactoside-mediated tissue organization during islet reconstitution. Regenerative Therapy, 2016, 3, 11-14.	3.0	1
92	Diverse Localization Patterns of an R-Type Lectin in Marine Annelids. Molecules, 2021, 26, 4799.	3.8	1
93	Purification and Functional Characterization of the Effects on Cell Signaling of Mytilectin: A Novel Î²-Trefoil Lectin from Marine Mussels. Methods in Molecular Biology, 2020, 2132, 201-213.	0.9	1
94	Antiproliferative effects of galectin-1 from Rana catesbeiana eggs on human leukemia cells and its binding proteins in human cells. In Vitro Cellular and Developmental Biology - Animal, 2011, 47, 728-734.	1.5	0
95	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
96	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
97	Response to the editorial â€œFake newsâ€•(Feb. 2018) by Prof. Brian Morton. Marine Pollution Bulletin, 2019, 141, 363-365.	5.0	0
98	Simple analytical procedure for the analysis of the chlorophyll protein complex in rice.. Breeding Science, 1990, 40, 295-301.	0.2	0