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List of Publications by Year
in descending order

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90 papers	5,431 citations	81839 39 h-index	85498 71 g-index
95 all docs	95 docs citations	95 times ranked	4046 citing authors

#	Article	IF	Citations
1	The nucleocytosolic O-fucosyltransferase SPINDLY affects protein expression and virulence in Toxoplasma gondii. Journal of Biological Chemistry, 2021, 296, 100039.	1.6	9
2	The most abundant cyst wall proteins of Acanthamoeba castellanii are lectins that bind cellulose and localize to distinct structures in developing and mature cyst walls. PLoS Neglected Tropical Diseases, 2019, 13, e0007352.	1.3	23
3	Protein O- and C-Glycosylation pathways in Toxoplasma gondii and Plasmodium falciparum. Parasitology, 2019, 146, 1755-1766.	0.7	28
4	CRISPR/Cas9 and glycomics tools for Toxoplasma glycobiology. Journal of Biological Chemistry, 2019, 294, 1104-1125.	1.6	51
5	O-Fucosylation of thrombospondin-like repeats is required for processing of microneme protein 2 and for efficient host cell invasion by Toxoplasma gondii tachyzoites. Journal of Biological Chemistry, 2019, 294, 1967-1983.	1.6	27
6	Asparagine-Linked Glycans of Cryptosporidium parvum Contain a Single Long Arm, Are Barely Processed in the Endoplasmic Reticulum (ER) or Golgi, and Show a Strong Bias for Sites with Threonine. Molecular and Cellular Proteomics, 2017, 16, S42-S53.	2.5	21
7	Differential Roles for Inner Membrane Complex Proteins across Toxoplasma gondii and Sarcocystis neurona Development. MSphere, 2017, 2, .	1.3	71
8	Cryptosporidium parvum vaccine candidates are incompletely modified with O-linked-N-acetylgalactosamine or contain N-terminal N-myristate and S-palmitate. PLoS ONE, 2017, 12, e0182395.	1.1	18
9	Killing of diverse eye pathogens (Acanthamoeba spp., Fusarium solani, and Chlamydia trachomatis) with alcohols. PLoS Neglected Tropical Diseases, 2017, 11, e0005382.	1.3	11
10	O -fucosylated glycoproteins form assemblies in close proximity to the nuclear pore complexes of Toxoplasma gondii. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11567-11572.	3.3	39
11	The disruption of GDP-fucose de novo biosynthesis suggests the presence of a novel fucose-containing glycoconjugate in Plasmodium asexual blood stages. Scientific Reports, 2016, 6, 37230.	1.6	17
12	Ethanol and Isopropanol in Concentrations Present in Hand Sanitizers Sharply Reduce Excystation of Giardia and Entamoeba and Eliminate Oral Infectivity of Giardia Cysts in Gerbils. Antimicrobial Agents and Chemotherapy, 2015, 59, 6749-6754.	1.4	5
13	Effects of N-glycan precursor length diversity on quality control of protein folding and on protein glycosylation. Seminars in Cell and Developmental Biology, 2015, 41, 121-128.	2.3	42
14	Anti-Retroviral Lectins Have Modest Effects on Adherence of Trichomonas vaginalis to Epithelial Cells In Vitro and on Recovery of Tritrichomonas foetus in a Mouse Vaginal Model. PLoS ONE, 2015, 10, e0135340.	1.1	24
15	Strategies To Discover the Structural Components of Cyst and Oocyst Walls. Eukaryotic Cell, 2013, 12, 1578-1587.	3.4	66
16	Evidence for a Structural Role for Acid-Fast Lipids in Oocyst Walls of Cryptosporidium , Toxoplasma , and Eimeria. MBio, 2013, 4, e00387-13.	1.8	51
17	Î²-1,3-Glucan, Which Can Be Targeted by Drugs, Forms a Trabecular Scaffold in the Oocyst Walls of Toxoplasma and Eimeria. MBio, 2012, 3, .	1.8	36
18	A simple fibril and lectin model for cyst walls of Entamoeba and perhaps Giardia. Trends in Parasitology, 2011, 27, 17-22.	1.5	33

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19	Chymotrypsin C Is a Co-activator of Human Pancreatic Procarboxypeptidases A1 and A2. Journal of Biological Chemistry, 2011, 286, 1819-1827.	1.6	31
20	The Glycoproteins of Giardia. , 2011, , 103-110.		0
21	The Antiretroviral Lectin Cyanovirin-N Targets Well-Known and Novel Targets on the Surface of Entamoeba histolytica Trophozoites. Eukaryotic Cell, 2010, 9, 1661-1668.	3.4	7
22	A deeply divergent phosphoglucomutase (PGM) of Giardia lamblia has both PGM and phosphomannomutase activities. Glycobiology, 2010, 20, 1233-1240.	1.3	11
23	The Jacob2 Lectin of the Entamoeba histolytica Cyst Wall Binds Chitin and Is Polymorphic. PLoS Neglected Tropical Diseases, 2010, 4, e750.	1.3	23
24	Giardia Cyst Wall Protein 1 Is a Lectin That Binds to Curled Fibrils of the GalNAc Homopolymer. PLoS Pathogens, 2010, 6, e1001059.	2.1	43
25	Suggestive Evidence for Darwinian Selection against Asparagine-Linked Glycans of Plasmodium falciparum and Toxoplasma gondii. Eukaryotic Cell, 2010, 9, 228-241.	3.4	95
26	Trichomonas Transmembrane Cyclases Result from Massive Gene Duplication and Concomitant Development of Pseudogenes. PLoS Neglected Tropical Diseases, 2010, 4, e782.	1.3	16
27	Evidence for Mucin-Like Glycoproteins That Tether Sporozoites of Cryptosporidium parvum to the Inner Surface of the Oocyst Wall. Eukaryotic Cell, 2010, 9, 84-96.	3.4	50
28	Molecular characterization of the cis-prenyltransferase of Giardia lamblia. Glycobiology, 2010, 20, 824-832.	1.3	22
29	Darwinian selection for sites of Asn-linked glycosylation in phylogenetically disparate eukaryotes and viruses. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13421-13426.	3.3	35
30	Molecular characterization of nucleocytosolic O-GlcNAc transferases of Giardia lamblia and Cryptosporidium parvum. Glycobiology, 2009, 19, 331-336.	1.3	53
31	Giardia , Entamoeba , and Trichomonas Enzymes Activate Metronidazole (Nitroreductases) and Inactivate Metronidazole (Nitroimidazole Reductases). Antimicrobial Agents and Chemotherapy, 2009, 53, 458-464.	1.4	86
32	Evidence for a â€œWattle and Daubâ€•Model of the Cyst Wall of Entamoeba. PLoS Pathogens, 2009, 5, e1000498.	2.1	75
33	Use of Giardia, which appears to have a single nucleotide-sugar transporter for UDP-GlcNAc, to identify the UDP-Glc transporter of Entamoeba. Molecular and Biochemical Parasitology, 2008, 159, 44-53.	0.5	19
34	A Single Caenorhabditis elegans Golgi Apparatus-Type Transporter of UDP-Glucose, UDP-Galactose, UDP-N-Acetylglucosamine, and UDP-N-Acetylgalactosamine. Biochemistry, 2008, 47, 4337-4344.	1.2	25
35	Unique Asn-linked Oligosaccharides of the Human Pathogen Entamoeba histolytica. Journal of Biological Chemistry, 2008, 283, 18355-18364.	1.6	29
36	Dolichyl-Phosphate-Glucose Is Used To Make O-Glycans on Glycoproteins of Trichomonas vaginalis. Eukaryotic Cell, 2008, 7, 1344-1351.	3.4	12

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37	Changes in the N -Glycome, Glycoproteins with Asn-Linked Glycans, of Giardia lamblia with Differentiation from Trophozoites to Cysts. Eukaryotic Cell, 2008, 7, 1930-1940.	3.4	66
38	The evolution of N-glycan-dependent endoplasmic reticulum quality control factors for glycoprotein folding and degradation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11676-11681.	3.3	130
39	Dolichol-linked oligosaccharide selection by the oligosaccharyltransferase in protist and fungal organisms. Journal of Cell Biology, 2007, 177, 29-37.	2.3	46
40	Sequence and structure evolved separately in a ribosomal ubiquitin variant. EMBO Journal, 2007, 26, 3474-3483.	3.5	21
41	Genomic Minimalism in the Early Diverging Intestinal Parasite Giardia lamblia. Science, 2007, 317, 1921-1926.	6.0	725
42	GENE EXPANSION IN TRICHOMONAS VAGINALIS: A CASE STUDY ON TRANSMEMBRANE CYCLASES. , 2007, , .		1
43	Gene expansion in Trichomonas vaginalis: a case study on transmembrane cyclases. Genome Informatics, 2007, 18, 35-43.	0.4	5
44	The cyst wall of Entamoeba invadens contains chitosan (deacetylated chitin)â˜†. Molecular and Biochemical Parasitology, 2006, 148, 86-92.	0.5	44
45	Unique Posttranslational Modifications of Chitin-Binding Lectins of Entamoeba invadens Cyst Walls. Eukaryotic Cell, 2006, 5, 836-848.	3.4	50
46	The synthesis of novel Nâ€glycans in Entamoeba histolytica and the quality control, secretion and cell surface arrangement of glycoproteins. FASEB Journal, 2006, 20, A514.	0.2	0
47	What Entamoeba and Giardia tell us about the diversity of Asnâ€linked glycosylation.. FASEB Journal, 2006, 20, A454.	0.2	0
48	The genome of the protist parasite Entamoeba histolytica. Nature, 2005, 433, 865-868.	13.7	783
49	Gene Discovery in the Genome. Protist, 2005, 156, 203-214.	0.6	74
50	Letter to the Glyco-Forum: Asparagine Linked Glycosylation in Giardia. Glycobiology, 2005, 15, 15G-16G.	1.3	5
51	The diversity of dolichol-linked precursors to Asn-linked glycans likely results from secondary loss of sets of glycosyltransferases. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1548-1553.	3.3	244
52	Golgi and Endoplasmic Reticulum Functions Take Place in Different Subcellular Compartments of Entamoeba histolytica. Journal of Biological Chemistry, 2005, 280, 32168-32176.	1.6	41
53	Gene discovery in the Entamoeba invadens genome. Molecular and Biochemical Parasitology, 2003, 129, 23-31.	0.5	54
54	Iron-Dependent Hydrogenases of Entamoeba histolytica and Giardia lamblia: Activity of the Recombinant Entamoebic Enzyme and Evidence for Lateral Gene Transfer. Biological Bulletin, 2003, 204, 1-9.	0.7	47

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55	Evidence for Lateral Transfer of Genes Encoding Ferredoxins, Nitroreductases, NADH Oxidase, and Alcohol Dehydrogenase 3 from Anaerobic Prokaryotes to Giardialamblia and Entamoebahistolytica. Eukaryotic Cell, 2002, 1, 181-190.	3.4	121
56	Entamoeba histolytica Lectins Contain Unique 6-Cys or 8-Cys Chitin-Binding Domains. Infection and Immunity, 2002, 70, 3259-3263.	1.0	40
57	A spliceosomal intron inGiardialamblia. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3701-3705.	3.3	151
58	LINEs and SINE-like elements of the protist Entamoeba histolytica. Gene, 2002, 297, 229-239.	1.0	43
59	How Giardia Swim and Divide. Infection and Immunity, 2001, 69, 7866-7872.	1.0	61
60	Early lateral transfer of genes encoding malic enzyme, acetyl-CoA synthetase and alcohol dehydrogenases from anaerobic prokaryotes to Entamoeba histolytica. Molecular Microbiology, 2000, 38, 446-455.	1.2	93
61	Responses of Entamoeba invadens to Heat Shock and Encystation are Related. Journal of Eukaryotic Microbiology, 2000, 47, 511-514.	0.8	39
62	Vacuolar localization of an Entamoeba histolytica homologue of the plasma membrane ATPase (PMCA). Molecular and Biochemical Parasitology, 2000, 108, 125-130.	0.5	14
63	An Entamoeba histolytica inositol 1,3,4-trisphosphate 5/6-kinase has a novel 3-kinase activity. Molecular and Biochemical Parasitology, 2000, 108, 119-123.	0.5	30
64	The Entamoeba histolytica Mitochondrion-Derived Organelle (Crypton) Contains Double-Stranded DNA and Appears To Be Bound by a Double Membrane. Infection and Immunity, 2000, 68, 4319-4322.	1.0	54
65	The Most Abundant Glycoprotein of Amebic Cyst Walls (Jacob) Is a Lectin with Five Cys-Rich, Chitin-Binding Domains. Infection and Immunity, 2000, 68, 4217-4224.	1.0	81
66	Molecular Epidemiology of Entamoeba spp.: Evidence of a Bottleneck (Demographic Sweep) and Transcontinental Spread of Diploid Parasites. Journal of Clinical Microbiology, 2000, 38, 3815-3821.	1.8	89
67	Why Metronidazole Is Active against both Bacteria and Parasites. Antimicrobial Agents and Chemotherapy, 1999, 43, 1533-1541.	1.4	181
68	Hsp60 Is Targeted to a Cryptic Mitochondrion-Derived Organelle (â€œCryptonâ€) in the Microaerophilic Protozoan Parasite Entamoeba histolytica. Molecular and Cellular Biology, 1999, 19, 2198-2205.	1.1	184
69	Chitinase Secretion by Encysting Entamoeba invadens and Transfected Entamoeba histolytica Trophozoites: Localization of Secretory Vesicles, Endoplasmic Reticulum, and Golgi Apparatus. Infection and Immunity, 1999, 67, 3073-3081.	1.0	93
70	Giardia lambliaGroups A and B Among Young Adults in India. Clinical Infectious Diseases, 1998, 26, 190-191.	2.9	28
71	A New Gene Family (ariel) Encodes Asparagine-Rich Entamoeba histolytica Antigens, Which Resemble the Amebic Vaccine Candidate Serine-Rich E. histolytica Protein. Infection and Immunity, 1998, 66, 353-355.	1.0	20
72	Cloning and expression of chitinases of Entamoebae. Molecular and Biochemical Parasitology, 1997, 85, 139-147.	0.5	72

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73	Primary structure of Entamoeba histolytica Î³-tubulin and localisation of amoebic microtubule organising centres. Molecular and Biochemical Parasitology, 1997, 90, 331-336.	0.5	18
74	Heterogeneity of Entamoeba histolytica rac genes encoding p21rac homologues. Gene, 1996, 173, 205-208.	1.0	37
75	Hepatitis C Virus Reinfection in Orthotopic Liver Transplant Patients with or without Concomitant Hepatitis B Infection. Diagnostic Molecular Pathology, 1996, 5, 81-87.	2.1	10
76	Entamoeba histolytica:Isoprenylation of p21rasand p21rapin Vitro. Experimental Parasitology, 1996, 82, 65-68.	0.5	10
77	Stable episomal transfection of Entamoeba histolytica. Molecular and Biochemical Parasitology, 1995, 71, 265-267.	0.5	65
78	Increase in mRNA of multiple Eh pgp genes encoding P-glycoprotein homologues in emetine-resistant Entamoeba histolytica parasites. Gene, 1995, 164, 179-184.	1.0	47
79	Cloning and expression of the gene for an NADP+-dependent aldehyde dehydrogenase of Entamoeba histolytica. Molecular and Biochemical Parasitology, 1994, 63, 157-161.	0.5	13
80	Primary structure of the Entamoeba histolytica gene (Ehvmal) encoding the catalytic peptide of a putative vacuolar membrane proton-transporting ATPase (V-ATPase). Molecular and Biochemical Parasitology, 1994, 66, 165-169.	0.5	14
81	Molecular cloning of ras and rap genes from Entamoeba histolytica. Molecular and Biochemical Parasitology, 1994, 64, 111-120.	0.5	22
82	Primary structure of an Entamoeba histolytica nicotinamide nucleotide transhydrogenase. Molecular and Biochemical Parasitology, 1994, 68, 323-328.	0.5	25
83	Molecular cloning of an Entamoeba histolytica gene encoding a putative mos family serine/threonine-kinase. Biochimica Et Biophysica Acta - Molecular Cell Research, 1994, 1222, 122-124.	1.9	9
84	Molecular cloning of a rho family gene of Entamoeba histolytica. Molecular and Biochemical Parasitology, 1993, 58, 177-180.	0.5	40
85	Molecular cloning of a rac family protein kinase and identification of a serine/threonine protein kinase gene family of Entamoeba histolytica. Molecular and Biochemical Parasitology, 1993, 60, 161-170.	0.5	18
86	The cDNA sequence of an abundant Entamoeba histolytica 20-kilodalton protein containing four repetitive domains. Molecular and Biochemical Parasitology, 1993, 60, 323-326.	0.5	4
87	Molecular cloning of the gene for a novel ABC superfamily transporter of Entamoeba histolytica. Molecular and Biochemical Parasitology, 1993, 62, 131-134.	0.5	7
88	Cloning of the Eh cdc2 gene from Entamoeba histolytica encoding a protein kinase p34cdc2 homologue. Gene, 1993, 127, 203-207.	1.0	66
89	Entamoeba histolytica: Physiology of multidrug resistance. Experimental Parasitology, 1990, 71, 169-175.	0.5	38
90	A serological assay for the detection of cell surface receptors of nerve growth factor. Journal of Supramolecular Structure, 1978, 9, 351-361.	2.3	51