Luis Izquierdo

List of Publications by Year
in descending order

61 papers	2,086 citations	201674 27 h-index	265206 42 g-index
70 all docs	70 docs citations	70 times ranked	3019 citing authors

#	Article	IF	Citations
1	Spike-based COVID-19 immunization increases antibodies to nucleocapsid antigen. Translational Research, 2022, 240, 26-32.	5.0	12
2	Determinants of early antibody responses to COVID-19 mRNA vaccines in a cohort of exposed and naÃ¯ve healthcare workers. EBioMedicine, 2022, 75, 103805.	6.1	60
3	Multiplex Antibody Analysis of IgM, IgA and IgG to SARS-CoV-2 in Saliva and Serum From Infected Children and Their Close Contacts. Frontiers in Immunology, 2022, 13, 751705.	4.8	13
4	Compounds targeting GPI biosynthesis or N-glycosylation are active against Plasmodium falciparum. Computational and Structural Biotechnology Journal, 2022, 20, 850-863.	4.1	6
5	Evaluation of antibody serology to determine current helminth and Plasmodium falciparum infections in a co-endemic area in Southern Mozambique. PLoS Neglected Tropical Diseases, 2022, 16, e0010138.	3.0	3
6	Highly Sensitive and Specific Multiplex Antibody Assays To Quantify Immunoglobulins M, A, and G against SARS-CoV-2 Antigens. Journal of Clinical Microbiology, 2021, 59, .	3.9	64
7	RTS,S/AS01E malaria vaccine induces IgA responses against CSP and vaccine-unrelated antigens in African children in the phase 3 trial. Vaccine, 2021, 39, 687-698.	3.8	9
8	Immunogenicity and crossreactivity of antibodies to the nucleocapsid protein of SARS-CoV-2: utility and limitations in seroprevalence and immunity studies. Translational Research, 2021, 232, 60-74.	5.0	69
9	Novel Purine Chemotypes with Activity against Plasmodium falciparum and Trypanosoma cruzi. Pharmaceuticals, 2021, 14, 638.	3.8	5
10	Seven-month kinetics of SARS-CoV-2 antibodies and role of pre-existing antibodies to human coronaviruses. Nature Communications, 2021, 12, 4740.	12.8	104
11	Agreement between commercially available ELISA and in-house Luminex SARS-CoV-2 antibody immunoassays. Scientific Reports, 2021, 11, 18984.	3.3	8
12	Infection induced SARS-CoV-2 seroprevalence and heterogeneity of antibody responses in a general population cohort study in Catalonia Spain. Scientific Reports, 2021, 11, 21571.	3.3	16
13	Ambient Air Pollution in Relation to SARS-CoV-2 Infection, Antibody Response, and COVID-19 Disease: A Cohort Study in Catalonia, Spain (COVICAT Study). Environmental Health Perspectives, 2021, 129, 117003.	6.0	58
14	Antibody conversion rates to SARS-CoV-2 in saliva from children attending summer schools in Barcelona, Spain. BMC Medicine, 2021, 19, 309.	5.5	10
15	Plasmodium falciparum and Helminth Coinfections Increase IgE and Parasite-Specific IgG Responses. Microbiology Spectrum, 2021, 9, e0110921.	3.0	8
16	Repurposing bioenergetic modulators against protozoan parasites responsible for tropical diseases. International Journal for Parasitology: Drugs and Drug Resistance, 2020, 14, 17-27.	3.4	13
17	Plasmodium falciparum Apicomplexan-Specific Glucosamine-6-Phosphate <i>N</i> -Acetyltransferase Is Key for Amino Sugar Metabolism and Asexual Blood Stage Development. MBio, 2020, 11, .	4.1	6
18	Protein O-Fucosyltransferase 2 Is Not Essential for Plasmodium berghei Development. Frontiers in Cellular and Infection Microbiology, 2019, 9, 238.	3.9	10

#	Article	IF	Citations
19	A <i>Plasmodium falciparum C</i>-mannosyltransferase is dispensable for parasite asexual blood stage development. Parasitology, 2019, 146, 1767-1772.	1.5	12
20	Purification of Glycosylphosphatidylinositol-Anchored Mucins from Trypanosoma cruzi Trypomastigotes and Synthesis of Î±-Gal-Containing Neoglycoproteins: Application as Biomarkers for Reliable Diagnosis and Early Assessment of Chemotherapeutic Outcomes of Chagas Disease. Methods in Molecular Biology, 2019, 1955, 287-308.	0.9	13
21	The Apicomplexa-specific glucosamine-6-phosphate N-acetyltransferase gene family encodes a key enzyme for glycoconjugate synthesis with potential as therapeutic target. Scientific Reports, 2018, 8, 4005.	3.3	14
22	Apicomplexan C-Mannosyltransferases Modify Thrombospondin Type I-containing Adhesins of the TRAP Family. Glycobiology, 2018, 28, 333-343.	2.5	28
23	Treatment of adult chronic indeterminate Chagas disease with benznidazole and three E1224 dosing regimens: a proof-of-concept, randomised, placebo-controlled trial. Lancet Infectious Diseases, The, 2018, 18, 419-430.	9.1	214
24	Structure-Based Design of a Eukaryote-Selective Antiprotozoal Fluorinated Aminoglycoside. ChemMedChem, 2018, 13, 1541-1548.	3.2	3
25	Antibody responses to Î±-Gal in African children vary with age and site and are associated with malaria protection. Scientific Reports, 2018, 8, 9999.	3.3	26
26	Probing forÂTrypanosoma cruzi Cell SurfaceÂGlycobiomarkers for the Diagnosis and Follow-Up of Chemotherapy of Chagas Disease. , 2018, , 195-211.		4
27	Sugar nucleotide quantification by liquid chromatography tandem mass spectrometry reveals a distinct profile in <i>Plasmodium falciparum</i> sexual stage parasites. Biochemical Journal, 2017, 474, 897-905.	3.7	19
28	A Gene of the Î²3-Glycosyltransferase Family Encodes N-Acetylglucosaminyltransferase II Function in Trypanosoma brucei. Journal of Biological Chemistry, 2016, 291, 13834-13845.	3.4	10
29	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.	3.3	17
30	Plasmodium falciparum Choline Kinase Inhibition Leads to a Major Decrease in Phosphatidylethanolamine Causing Parasite Death. Scientific Reports, 2016, 6, 33189.	3.3	39
31	Altered Hypercoagulability Factors in Patients with Chronic Chagas Disease: Potential Biomarkers of Therapeutic Response. PLoS Neglected Tropical Diseases, 2016, 10, e0004269.	3.0	34
32	Sugar activation and glycosylation in Plasmodium. Malaria Journal, 2015, 14, 427.	2.3	45
33	Parasite Glycobiology: A Bittersweet Symphony. PLoS Pathogens, 2015, 11, e1005169.	4.7	40
34	Identification of a glycosylphosphatidylinositol anchor-modifying Î²1-3 galactosyltransferase in Trypanosoma brucei. Glycobiology, 2015, 25, 438-447.	2.5	16
35	Potential use of synthetic Î±-galactosyl-containing glycotopes of the parasite Trypanosoma cruzi as diagnostic antigens for Chagas disease. Organic and Biomolecular Chemistry, 2013, 11, 5579.	2.8	37
36	Biosynthesis of GDP-fucose and Other Sugar Nucleotides in the Blood Stages of Plasmodium falciparum. Journal of Biological Chemistry, 2013, 288, 16506-16517.	3.4	36

#	Article	IF	Citations
37	Evaluating Chagas disease progression and cure through blood-derived biomarkers: a systematic review. Expert Review of Anti-Infective Therapy, 2013, 11, 957-976.	4.4	46
38	Evaluation of a chemiluminescent enzyme-linked immunosorbent assay for the diagnosis of Trypanosoma cruzi infection in a nonendemic setting. Memorias Do Instituto Oswaldo Cruz, 2013, 108, 928-931.	1.6	19
39	Creation and Characterization of Glycosyltransferase Mutants of Trypanosoma brucei. Methods in Molecular Biology, 2013, 1022, 249-275.	0.9	6
40	The lipid-linked oligosaccharide donor specificities of Trypanosoma brucei oligosaccharyltransferases. Glycobiology, 2012, 22, 696-703.	2.5	22
41	ABC50 Promotes Translation Initiation in Mammalian Cells. Journal of Biological Chemistry, 2009, 284, 24061-24073.	3.4	91
42	<i>Trypanosoma brucei</i> UDP-Glucose:Glycoprotein Glucosyltransferase Has Unusual Substrate Specificity and Protects the Parasite from Stress. Eukaryotic Cell, 2009, 8, 230-240.	3.4	43
43	Identification of a glycosylphosphatidylinositol anchorâ€modifying Î²1â€3 Nâ€acetylglucosaminyl transferase in <i>Trypanosoma brucei</i>. Molecular Microbiology, 2009, 71, 478-491.	2.5	35
44	Distinct donor and acceptor specificities of Trypanosoma brucei oligosaccharyltransferases. EMBO Journal, 2009, 28, 2650-2661.	7.8	96
45	Deletion of the TbALG3 gene demonstrates site-specific N-glycosylation and N-glycan processing in Trypanosoma brucei. Glycobiology, 2008, 18, 367-383.	2.5	60
46	The de Novo Synthesis of GDP-fucose Is Essential for Flagellar Adhesion and Cell Growth in Trypanosoma brucei. Journal of Biological Chemistry, 2007, 282, 28853-28863.	3.4	46
47	The ionic interaction of Klebsiella pneumoniae K2 capsule and core lipopolysaccharide. Microbiology (United Kingdom), 2006, 152, 1807-1818.	1.8	44
48	The Incorporation of Glucosamine into Enterobacterial Core Lipopolysaccharide. Journal of Biological Chemistry, 2005, 280, 36648-36656.	3.4	14
49	A Second Outer-Core Region in Klebsiella pneumoniae Lipopolysaccharide. Journal of Bacteriology, 2005, 187, 4198-4206.	2.2	50
50	Genetic and Structural Characterization of the Core Region of the Lipopolysaccharide from Serratia marcescens N28b (Serovar O4). Journal of Bacteriology, 2004, 186, 978-988.	2.2	24
51	A Gene, uge , Is Essential for Klebsiella pneumoniae Virulence. Infection and Immunity, 2004, 72, 54-61.	2.2	82
52	The Klebsiella pneumoniae wabG Gene: Role inBiosynthesis of the Core Lipopolysaccharide andVirulence. Journal of Bacteriology, 2003, 185, 7213-7221.	2.2	78
53	Synthesis of a Klebsiella pneumoniae O-Antigen Heteropolysaccharide (O12) Requires an ABC 2 Transporter. Journal of Bacteriology, 2003, 185, 1634-1641.	2.2	27
54	The wavB gene of Vibrio cholerae and the waaE of Klebsiella pneumoniae codify for a Î²-1,4-glucosyltransferase involved in the transfer of a glucose residue to the ?-glycero-?-manno-heptose I in the lipopolysaccharide inner core. FEMS Microbiology Letters, 2002, 216, 211-216.	1.8	3

#	Article	IF	Citations
55	ThewavBgene ofVibrio choleraeand thewaaEofKlebsiella pneumoniaecodify for a ÃŽÂ²-1,4-glucosyltransferase involved in the transfer of a glucose residue to the l-glycero-d-manno-heptose I in the lipopolysaccharide inner core. FEMS Microbiology Letters, 2002, 216, 211-216.	1.8	10
56	The inner-core lipopolysaccharide biosynthetic waaE gene: function and genetic distribution among some Enterobacteriaceae b bThe GenBank accession number for the waaE gene sequences of P. mirabilis CECT170, Y. enterocolitica R102 and Ent. aerogenes CECT684 reported in this paper are AY075039, AY075041 and AY075040, respectively.. Microbiology (United Kingdom), 2002, 148, 3485-3496.	1.8	36
57	The cell division genes (ftsEandX) ofAeromonas hydrophilaand their relationship with opsonophagocytosis. FEMS Microbiology Letters, 2001, 198, 183-188.	1.8	14
58	The MgtE Mg2+transport protein is involved inAeromonas hydrophilaadherence. FEMS Microbiology Letters, 2001, 198, 189-195.	1.8	45
59	Genetic Characterization of the Klebsiella pneumoniae waa Gene Cluster, Involved in Core Lipopolysaccharide Biosynthesis. Journal of Bacteriology, 2001, 183, 3564-3573.	2.2	59
60	The MgtE Mg2+ transport protein is involved in Aeromonas hydrophila adherence. FEMS Microbiology Letters, 2001, 198, 189-195.	1.8	1
61	Cloning and Sequencing of the Klebsiella pneumoniae O5 wb Gene Cluster and Its Role in Pathogenesis. Infection and Immunity, 2000, 68, 2435-2440.	2.2	31