

# Luis Izquierdo

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Treatment of adult chronic indeterminate Chagas disease with benznidazole and three E1224 dosing regimens: a proof-of-concept, randomised, placebo-controlled trial. <i>Lancet Infectious Diseases</i> , The, 2018, 18, 419-430.	9.1	214
2	Seven-month kinetics of SARS-CoV-2 antibodies and role of pre-existing antibodies to human coronaviruses. <i>Nature Communications</i> , 2021, 12, 4740.	12.8	104
3	Distinct donor and acceptor specificities of <i>Trypanosoma brucei</i> oligosaccharyltransferases. <i>EMBO Journal</i> , 2009, 28, 2650-2661.	7.8	96
4	ABC50 Promotes Translation Initiation in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 24061-24073.	3.4	91
5	A Gene, <i>uge</i> , Is Essential for <i>Klebsiella pneumoniae</i> Virulence. <i>Infection and Immunity</i> , 2004, 72, 54-61.	2.2	82
6	The <i>Klebsiella pneumoniae</i> <i>wabG</i> Gene: Role in Biosynthesis of the Core Lipopolysaccharide and Virulence. <i>Journal of Bacteriology</i> , 2003, 185, 7213-7221.	2.2	78
7	Immunogenicity and crossreactivity of antibodies to the nucleocapsid protein of SARS-CoV-2: utility and limitations in seroprevalence and immunity studies. <i>Translational Research</i> , 2021, 232, 60-74.	5.0	69
8	Highly Sensitive and Specific Multiplex Antibody Assays To Quantify Immunoglobulins M, A, and G against SARS-CoV-2 Antigens. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	3.9	64
9	Deletion of the <i>TbALG3</i> gene demonstrates site-specific N-glycosylation and N-glycan processing in <i>Trypanosoma brucei</i> . <i>Glycobiology</i> , 2008, 18, 367-383.	2.5	60
10	Determinants of early antibody responses to COVID-19 mRNA vaccines in a cohort of exposed and naïve healthcare workers. <i>EBioMedicine</i> , 2022, 75, 103805.	6.1	60
11	Genetic Characterization of the <i>Klebsiella pneumoniae</i> <i>waa</i> Gene Cluster, Involved in Core Lipopolysaccharide Biosynthesis. <i>Journal of Bacteriology</i> , 2001, 183, 3564-3573.	2.2	59
12	Ambient Air Pollution in Relation to SARS-CoV-2 Infection, Antibody Response, and COVID-19 Disease: A Cohort Study in Catalonia, Spain (COVICAT Study). <i>Environmental Health Perspectives</i> , 2021, 129, 117003.	6.0	58
13	A Second Outer-Core Region in <i>Klebsiella pneumoniae</i> Lipopolysaccharide. <i>Journal of Bacteriology</i> , 2005, 187, 4198-4206.	2.2	50
14	The de Novo Synthesis of GDP-fucose Is Essential for Flagellar Adhesion and Cell Growth in <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 28853-28863.	3.4	46
15	Evaluating Chagas disease progression and cure through blood-derived biomarkers: a systematic review. <i>Expert Review of Anti-Infective Therapy</i> , 2013, 11, 957-976.	4.4	46
16	The MgtE Mg <sup>2+</sup> transport protein is involved in <i>Aeromonas hydrophila</i> adherence. <i>FEMS Microbiology Letters</i> , 2001, 198, 189-195.	1.8	45
17	Sugar activation and glycosylation in <i>Plasmodium</i> . <i>Malaria Journal</i> , 2015, 14, 427.	2.3	45
18	The ionic interaction of <i>Klebsiella pneumoniae</i> K2 capsule and core lipopolysaccharide. <i>Microbiology (United Kingdom)</i> , 2006, 152, 1807-1818.	1.8	44

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19	<i>Trypanosoma brucei</i> UDP-Glucose:Glycoprotein Glucosyltransferase Has Unusual Substrate Specificity and Protects the Parasite from Stress. <i>Eukaryotic Cell</i> , 2009, 8, 230-240.	3.4	43
20	Parasite Glycobiology: A Bittersweet Symphony. <i>PLoS Pathogens</i> , 2015, 11, e1005169.	4.7	40
21	<i>Plasmodium falciparum</i> Choline Kinase Inhibition Leads to a Major Decrease in Phosphatidylethanolamine Causing Parasite Death. <i>Scientific Reports</i> , 2016, 6, 33189.	3.3	39
22	Potential use of synthetic $\alpha$ -galactosyl-containing glycotopes of the parasite <i>Trypanosoma cruzi</i> as diagnostic antigens for Chagas disease. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5579.	2.8	37
23	Biosynthesis of GDP-fucose and Other Sugar Nucleotides in the Blood Stages of <i>Plasmodium falciparum</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 16506-16517.	3.4	36
24	The inner-core lipopolysaccharide biosynthetic <i>waaE</i> gene: function and genetic distribution among some Enterobacteriaceae. The GenBank accession number for the <i>waaE</i> gene sequences of <i>P. mirabilis</i> CECT170, <i>Y. enterocolitica</i> R102 and <i>Ent. aerogenes</i> CECT684 reported in this paper are AY075039, AY075041 and AY075040, respectively. <i>Microbiology (United Kingdom)</i> , 2002, 148, 3485-3496.	1.8	36
25	Identification of a glycosylphosphatidylinositol anchor-modifying $\alpha$ -N-acetylglucosaminyl transferase in <i>Trypanosoma brucei</i> . <i>Molecular Microbiology</i> , 2009, 71, 478-491.	2.5	35
26	Altered Hypercoagulability Factors in Patients with Chronic Chagas Disease: Potential Biomarkers of Therapeutic Response. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004269.	3.0	34
27	Cloning and Sequencing of the <i>Klebsiella pneumoniae</i> O5 <i>wb</i> Gene Cluster and Its Role in Pathogenesis. <i>Infection and Immunity</i> , 2000, 68, 2435-2440.	2.2	31
28	Apicomplexan C-Mannosyltransferases Modify Thrombospondin Type I-containing Adhesins of the TRAP Family. <i>Glycobiology</i> , 2018, 28, 333-343.	2.5	28
29	Synthesis of a <i>Klebsiella pneumoniae</i> O-Antigen Heteropolysaccharide (O12) Requires an ABC 2 Transporter. <i>Journal of Bacteriology</i> , 2003, 185, 1634-1641.	2.2	27
30	Antibody responses to $\alpha$ -Gal in African children vary with age and site and are associated with malaria protection. <i>Scientific Reports</i> , 2018, 8, 9999.	3.3	26
31	Genetic and Structural Characterization of the Core Region of the Lipopolysaccharide from <i>Serratia marcescens</i> N28b (Serovar O4). <i>Journal of Bacteriology</i> , 2004, 186, 978-988.	2.2	24
32	The lipid-linked oligosaccharide donor specificities of <i>Trypanosoma brucei</i> oligosaccharyltransferases. <i>Glycobiology</i> , 2012, 22, 696-703.	2.5	22
33	Evaluation of a chemiluminescent enzyme-linked immunosorbent assay for the diagnosis of <i>Trypanosoma cruzi</i> infection in a nonendemic setting. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2013, 108, 928-931.	1.6	19
34	Sugar nucleotide quantification by liquid chromatography tandem mass spectrometry reveals a distinct profile in <i>Plasmodium falciparum</i> sexual stage parasites. <i>Biochemical Journal</i> , 2017, 474, 897-905.	3.7	19
35	The disruption of GDP-fucose de novo biosynthesis suggests the presence of a novel fucose-containing glycoconjugate in <i>Plasmodium</i> asexual blood stages. <i>Scientific Reports</i> , 2016, 6, 37230.	3.3	17
36	Identification of a glycosylphosphatidylinositol anchor-modifying $\alpha$ -1-3 galactosyltransferase in <i>Trypanosoma brucei</i> . <i>Glycobiology</i> , 2015, 25, 438-447.	2.5	16

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37	Infection induced SARS-CoV-2 seroprevalence and heterogeneity of antibody responses in a general population cohort study in Catalonia Spain. <i>Scientific Reports</i> , 2021, 11, 21571.	3.3	16
38	The cell division genes (ftsE and X) of <i>Aeromonas hydrophila</i> and their relationship with opsonophagocytosis. <i>FEMS Microbiology Letters</i> , 2001, 198, 183-188.	1.8	14
39	The Incorporation of Glucosamine into Enterobacterial Core Lipopolysaccharide. <i>Journal of Biological Chemistry</i> , 2005, 280, 36648-36656.	3.4	14
40	The Apicomplexa-specific glucosamine-6-phosphate N-acetyltransferase gene family encodes a key enzyme for glycoconjugate synthesis with potential as therapeutic target. <i>Scientific Reports</i> , 2018, 8, 4005.	3.3	14
41	Purification of Glycosylphosphatidylinositol-Anchored Mucins from <i>Trypanosoma cruzi</i> Trypomastigotes and Synthesis of $\beta$ -Gal-Containing Neoglycoproteins: Application as Biomarkers for Reliable Diagnosis and Early Assessment of Chemotherapeutic Outcomes of Chagas Disease. <i>Methods in Molecular Biology</i> , 2019, 1955, 287-308.	0.9	13
42	Repurposing bioenergetic modulators against protozoan parasites responsible for tropical diseases. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2020, 14, 17-27.	3.4	13
43	Multiplex Antibody Analysis of IgM, IgA and IgG to SARS-CoV-2 in Saliva and Serum From Infected Children and Their Close Contacts. <i>Frontiers in Immunology</i> , 2022, 13, 751705.	4.8	13
44	A <i>Plasmodium falciparum</i> $\alpha$ -mannosyltransferase is dispensable for parasite asexual blood stage development. <i>Parasitology</i> , 2019, 146, 1767-1772.	1.5	12
45	Spike-based COVID-19 immunization increases antibodies to nucleocapsid antigen. <i>Translational Research</i> , 2022, 240, 26-32.	5.0	12
46	The wabG gene of <i>Vibrio cholerae</i> and the waaE of <i>Klebsiella pneumoniae</i> code for a $\beta$ -1,4-glucosyltransferase involved in the transfer of a glucose residue to the l-glycero-d-manno-heptose I in the lipopolysaccharide inner core. <i>FEMS Microbiology Letters</i> , 2002, 216, 211-216.	1.8	10
47	A Gene of the $\beta$ -1,3-Glycosyltransferase Family Encodes N-Acetylglucosaminyltransferase II Function in <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 13834-13845.	3.4	10
48	Protein O-Fucosyltransferase 2 Is Not Essential for <i>Plasmodium berghei</i> Development. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 238.	3.9	10
49	Antibody conversion rates to SARS-CoV-2 in saliva from children attending summer schools in Barcelona, Spain. <i>BMC Medicine</i> , 2021, 19, 309.	5.5	10
50	RTS,S/AS01E malaria vaccine induces IgA responses against CSP and vaccine-unrelated antigens in African children in the phase 3 trial. <i>Vaccine</i> , 2021, 39, 687-698.	3.8	9
51	Agreement between commercially available ELISA and in-house Luminex SARS-CoV-2 antibody immunoassays. <i>Scientific Reports</i> , 2021, 11, 18984.	3.3	8
52	<i>Plasmodium falciparum</i> and Helminth Coinfections Increase IgE and Parasite-Specific IgG Responses. <i>Microbiology Spectrum</i> , 2021, 9, e0110921.	3.0	8
53	Creation and Characterization of Glycosyltransferase Mutants of <i>Trypanosoma brucei</i> . <i>Methods in Molecular Biology</i> , 2013, 1022, 249-275.	0.9	6
54	<i>Plasmodium falciparum</i> Apicomplexan-Specific Glucosamine-6-Phosphate N-Acetyltransferase Is Key for Amino Sugar Metabolism and Asexual Blood Stage Development. <i>MBio</i> , 2020, 11, .	4.1	6

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55	Compounds targeting GPI biosynthesis or N-glycosylation are active against Plasmodium falciparum. Computational and Structural Biotechnology Journal, 2022, 20, 850-863.	4.1	6
56	Novel Purine Chemotypes with Activity against Plasmodium falciparum and Trypanosoma cruzi. Pharmaceuticals, 2021, 14, 638.	3.8	5
57	Probing for Trypanosoma cruzi Cell Surface Glycobiomarkers for the Diagnosis and Follow-Up of Chemotherapy of Chagas Disease. , 2018, , 195-211.		4
58	The wavB gene of Vibrio cholerae and the waaE of Klebsiella pneumoniae codify for a $\beta$ -1,4-glucosyltransferase involved in the transfer of a glucose residue to the $\alpha$ -glycero- $\alpha$ -manno-heptose I in the lipopolysaccharide inner core. FEMS Microbiology Letters, 2002, 216, 211-216.	1.8	3
59	Structure-Based Design of a Eukaryote-Selective Antiprotozoal Fluorinated Aminoglycoside. ChemMedChem, 2018, 13, 1541-1548.	3.2	3
60	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
61	The MgtE Mg <sup>2+</sup> transport protein is involved in Aeromonas hydrophila adherence. FEMS Microbiology Letters, 2001, 198, 189-195.	1.8	1