

# Carlos Penha-Gonçalves

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

1,876  
citations

279798

23  
h-index

330143

37  
g-index

90  
all docs

90  
docs citations

90  
times ranked

2931  
citing authors

#	ARTICLE	IF	CITATIONS
1	Population homogeneity for the antibody response to COVID-19 BNT162b2/Comirnaty vaccine is only reached after the second dose across all adult age ranges. <i>Nature Communications</i> , 2022, 13, 140.	12.8	22
2	Prediabetes blunts DPP4 genetic control of postprandial glycaemia and insulin secretion. <i>Diabetologia</i> , 2022, 65, 861-871.	6.3	3
3	Simultaneous norovirus outbreak in three Portuguese army bases in the Lisbon region, December 2017. <i>BMJ Military Health</i> , 2021, 167, 40-43.	0.9	2
4	Production of high-quality SARS-CoV-2 antigens: Impact of bioprocess and storage on glycosylation, biophysical attributes, and ELISA serologic tests performance. <i>Biotechnology and Bioengineering</i> , 2021, 118, 2202-2219.	3.3	27
5	Loss of postprandial insulin clearance control by Insulin-degrading enzyme drives dysmetabolism traits. <i>Metabolism: Clinical and Experimental</i> , 2021, 118, 154735.	3.4	18
6	TLR4-Endothelin Axis Controls Syncytiotrophoblast Motility and Confers Fetal Protection in Placental Malaria. <i>Infection and Immunity</i> , 2021, 89, e0080920.	2.2	4
7	Signatures in SARS-CoV-2 spike protein conferring escape to neutralizing antibodies. <i>PLoS Pathogens</i> , 2021, 17, e1009772.	4.7	74
8	Longitudinal Analysis of Antibody Responses to the mRNA BNT162b2 Vaccine in Patients Undergoing Maintenance Hemodialysis: A 6-Month Follow-Up. <i>Frontiers in Medicine</i> , 2021, 8, 796676.	2.6	6
9	Intravital imaging of host-parasite interactions in organs of the thoracic and abdominopelvic cavities. <i>Cellular Microbiology</i> , 2020, 22, e13201.	2.1	7
10	Inflammasome activation and IL-1 signaling during placental malaria induce poor pregnancy outcomes. <i>Science Advances</i> , 2020, 6, eaax6346.	10.3	40
11	Trem-2 Promotes Emergence of Restorative Macrophages and Endothelial Cells During Recovery From Hepatic Tissue Damage. <i>Frontiers in Immunology</i> , 2020, 11, 616044.	4.8	34
12	Genetics of Malaria Inflammatory Responses: A Pathogenesis Perspective. <i>Frontiers in Immunology</i> , 2019, 10, 1771.	4.8	27
13	Maternal-Fetal Conflict During Infection: Lessons From a Mouse Model of Placental Malaria. <i>Frontiers in Microbiology</i> , 2019, 10, 1126.	3.5	7
14	Fetal and Maternal Innate Immunity Receptors Have Opposing Effects on the Severity of Experimental Malaria in Pregnancy: Beneficial Roles for Fetus-Derived Toll-Like Receptor 4 and Type I Interferon Receptor 1. <i>Infection and Immunity</i> , 2018, 86, .	2.2	20
15	Bradykinin Sequestration by Plasmodium berghei Infected Erythrocytes Conditions B2R Signaling and Parasite Uptake by Fetal Trophoblasts. <i>Frontiers in Microbiology</i> , 2018, 9, 3106.	3.5	6
16	Dipeptidyl Peptidase-4 Is a Pro-Recovery Mediator During Acute Hepatotoxic Damage and Mirrors Severe Shifts in Kupffer Cells. <i>Hepatology Communications</i> , 2018, 2, 1080-1094.	4.3	10
17	Brain Endothelium: The Innate Immunity Response Hypothesis in Cerebral Malaria Pathogenesis. <i>Frontiers in Immunology</i> , 2018, 9, 3100.	4.8	32
18	Acute gastroenteritis outbreak associated to norovirus GI.9 in a Portuguese army base. <i>Journal of Medical Virology</i> , 2017, 89, 922-925.	5.0	5

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19	A systematic review of East African-Indian family of Mycobacterium tuberculosis in Brazil. Brazilian Journal of Infectious Diseases, 2017, 21, 317-324.	0.6	12
20	CREM variant rs17583959 conferred susceptibility to T1D risk in the Tunisian families. Immunology Letters, 2017, 181, 1-5.	2.5	4
21	Immunoglobulin M gene association with autoantibody reactivity and type 1 diabetes. Immunogenetics, 2017, 69, 429-437.	2.4	6
22	HGF Secreted by Activated Kupffer Cells Induces Apoptosis of Plasmodium-Infected Hepatocytes. Frontiers in Immunology, 2017, 8, 90.	4.8	15
23	Murine Model for Preclinical Studies of Var2CSA-Mediated Pathology Associated with Malaria in Pregnancy. Infection and Immunity, 2016, 84, 1761-1774.	2.2	10
24	Association between the IL2RA polymorphism and type 1 diabetes risk: Family based association study. Meta Gene, 2016, 10, 118-122.	0.6	2
25	Diabetes hinders community-acquired pneumonia outcomes in hospitalized patients. BMJ Open Diabetes Research and Care, 2016, 4, e000181.	2.8	35
26	Quantitative trait locus analysis of parasite density reveals that HbS gene carriage protects severe malaria patients against Plasmodium falciparum hyperparasitaemia. Malaria Journal, 2015, 14, 393.	2.3	1
27	How Inflammation Impinges on NAFLD: A Role for Kupffer Cells. BioMed Research International, 2015, 2015, 1-11.	1.9	100
28	Multiple enteropathogenic viruses in a gastroenteritis outbreak in a military exercise of the Portuguese Army. Journal of Clinical Virology, 2015, 68, 73-75.	3.1	9
29	Serum Pantetheinase/Vanin Levels Regulate Erythrocyte Homeostasis and Severity of Malaria. American Journal of Pathology, 2015, 185, 3039-3052.	3.8	14
30	Association of TCR/CD3, PTPN22, CD28 and ZAP70 gene polymorphisms with type 1 diabetes risk in Tunisian population: Family based association study. Immunology Letters, 2015, 163, 1-7.	2.5	19
31	Modeling Malaria Infection and Immunity against Variant Surface Antigens in Príncipe Island, West Africa. PLoS ONE, 2014, 9, e88110.	2.5	1
32	Iron overload in Plasmodium berghei-infected placenta as a pathogenesis mechanism of fetal death. Frontiers in Pharmacology, 2014, 5, 155.	3.5	14
33	Autoimmune diseases association study with the KIAA1109-IL2-IL21 region in a Tunisian population. Molecular Biology Reports, 2014, 41, 7133-7139.	2.3	13
34	Contribution of PTPN22, CD28, CTLA-4 and ZAP-70 variants to the risk of type 1 diabetes in Tunisians. Gene, 2014, 533, 420-426.	2.2	16
35	Association of BANK1 and cytokine gene polymorphisms with type 1 diabetes in Tunisia. Gene, 2014, 536, 296-301.	2.2	14
36	NOS2 Variants Reveal a Dual Genetic Control of Nitric Oxide Levels, Susceptibility to Plasmodium Infection, and Cerebral Malaria. Infection and Immunity, 2014, 82, 1287-1295.	2.2	23

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37	inTB - a data integration platform for molecular and clinical epidemiological analysis of tuberculosis. BMC Bioinformatics, 2013, 14, 264.	2.6	7
38	SNP typing reveals similarity in Mycobacterium tuberculosis genetic diversity between Portugal and Northeast Brazil. Infection, Genetics and Evolution, 2013, 18, 238-246.	2.3	17
39	Placental Malaria: From Infection to Malfunction. Cell Host and Microbe, 2013, 13, 125-127.	11.0	5
40	Association of <i>ZAP70</i> and <i>PTPN6</i> , but Not <i>BANK1</i> or <i>CLEC2D</i> , with Inflammatory Bowel Disease in the Tunisian Population. Genetic Testing and Molecular Biomarkers, 2013, 17, 321-326.	0.7	17
41	Intravital Placenta Imaging Reveals Microcirculatory Dynamics Impact on Sequestration and Phagocytosis of Plasmodium-Infected Erythrocytes. PLoS Pathogens, 2013, 9, e1003154.	4.7	42
42	TREM2 governs Kupffer cell activation and explains <i>belr1</i> genetic resistance to malaria liver stage infection. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19531-19536.	7.1	37
43	IFNAR1 Controls Progression to Cerebral Malaria in Children and CD8+ T Cell Brain Pathology in Plasmodium berghei-Infected Mice. Journal of Immunology, 2013, 190, 5118-5127.	0.8	50
44	Non-HLA autoimmunity genetic factors contributing to Autoimmune Polyglandular Syndrome type II in Tunisian patients. Human Immunology, 2012, 73, 740-746.	2.4	12
45	Association of the RAVER2 gene with increased susceptibility for ulcerative colitis. Human Immunology, 2012, 73, 732-735.	2.4	6
46	Early skin immunological disturbance after Plasmodium-infected mosquito bites. Cellular Immunology, 2012, 277, 22-32.	3.0	20
47	Distinct placental malaria pathology caused by different Plasmodium berghei lines that fail to induce cerebral malaria in the C57BL/6 mouse. Malaria Journal, 2012, 11, 231.	2.3	24
48	How protected are populations if transmission relapses? Insights from mathematical modeling and simulation. Malaria Journal, 2012, 11, .	2.3	0
49	Innate stimulation of B1a cells enhances the autoreactive IgM repertoire in the NOD mouse: implications for type 1 diabetes. Diabetologia, 2012, 55, 1761-1772.	6.3	10
50	IL-12p40 Deficiency Leads to Uncontrolled Trypanosoma cruzi Dissemination in the Spinal Cord Resulting in Neuronal Death and Motor Dysfunction. PLoS ONE, 2012, 7, e49022.	2.5	13
51	The CREM gene is involved in genetic predisposition to inflammatory bowel disease in the Tunisian population. Human Immunology, 2011, 72, 1204-1209.	2.4	13
52	Regulatory T cells Contribute to Diabetes Protection in Lipopolysaccharide-Treated Non-Obese Diabetic Mice. Scandinavian Journal of Immunology, 2011, 74, 585-595.	2.7	21
53	Of mice and women: rodent models of placental malaria. Trends in Parasitology, 2010, 26, 412-419.	3.3	45
54	Transforming Growth Factor Beta 2 and Heme Oxygenase 1 Genes Are Risk Factors for the Cerebral Malaria Syndrome in Angolan Children. PLoS ONE, 2010, 5, e11141.	2.5	47

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55	The Liver Plays a Major Role in Clearance and Destruction of Blood Trypomastigotes in Trypanosoma cruzi Chronically Infected Mice. PLoS Neglected Tropical Diseases, 2010, 4, e578.	3.0	41
56	Recrudescence Plasmodium berghei from Pregnant Mice Displays Enhanced Binding to the Placenta and Induces Protection in Multigravida. PLoS ONE, 2009, 4, e5630.	2.5	36
57	Autoimmunity Triggers in the NOD Mouse. Annals of the New York Academy of Sciences, 2009, 1173, 442-448.	3.8	10
58	Irf4 is a positional and functional candidate gene for the control of serum IgM levels in the mouse. Genes and Immunity, 2009, 10, 93-99.	4.1	14
59	Bayesian analysis of allelic penetrance models for complex binary traits. Computational Statistics and Data Analysis, 2009, 53, 1271-1283.	1.2	4
60	Natural Genetic Variants Influencing Type 1 Diabetes in Humans and in the NOD Mouse. Novartis Foundation Symposium, 2008, 267, 57-75.	1.1	6
61	Pregnancy Outcome and Placenta Pathology in Plasmodium berghei ANKA Infected Mice Reproduce the Pathogenesis of Severe Malaria in Pregnant Women. PLoS ONE, 2008, 3, e1608.	2.5	100
62	Malaria Liver Stage Susceptibility Locus Identified on Mouse Chromosome 17 by Congenic Mapping. PLoS ONE, 2008, 3, e1874.	2.5	18
63	Improved isolation of murine hepatocytes for in vitro malaria liver stage studies. Malaria Journal, 2007, 6, 169.	2.3	70
64	Allelic penetrance approach as a tool to model two-locus interaction in complex binary traits. Heredity, 2007, 99, 173-184.	2.6	12
65	Mapping of quantitative trait loci using the skew-normal distribution. Journal of Zhejiang University: Science B, 2007, 8, 792-801.	2.8	18
66	MHC Class II Molecules Control Murine B Cell Responsiveness to Lipopolysaccharide Stimulation. Journal of Immunology, 2006, 177, 4620-4626.	0.8	11
67	Genetic control of parasite clearance leads to resistance to Plasmodium berghei ANKA infection and confers immunity. Genes and Immunity, 2005, 6, 416-421.	4.1	23
68	The multigenic structure of the MHC locus contributes to positive selection efficiency: A role for MHC class II gene-specific restriction. European Journal of Immunology, 2005, 35, 3622-3630.	2.9	5
69	Long Perfect Dinucleotide Repeats Are Typical of Vertebrates, Show Motif Preferences and Size Convergence. Molecular Biology and Evolution, 2004, 21, 1226-1233.	8.9	16
70	The CTLA4 region as a general autoimmunity factor: An extended pedigree provides evidence for synergy with the HLA locus in the etiology of type 1 diabetes mellitus, Hashimoto's thyroiditis and Graves' disease. European Journal of Human Genetics, 2003, 11, 81-84.	2.8	52
71	Identification of a Structurally Distinct CD101 Molecule Encoded in the 950-kb Idd10 Region of NOD Mice. Diabetes, 2003, 52, 1551-1556.	0.6	27
72	Diabetes Protection and Restoration of Thymocyte Apoptosis in NOD Idd6 Congenic Strains. Diabetes, 2003, 52, 1677-1682.	0.6	29

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73	Identification of two cerebral malaria resistance loci using an inbred wild-derived mouse strain. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9919-9923.	7.1	54
74	Susceptibility to Experimental Cerebral Malaria Induced by Plasmodium berghei ANKA in Inbred Mouse Strains Recently Derived from Wild Stock. Infection and Immunity, 2002, 70, 2049-2056.	2.2	42
75	Unique Genetic Variation Revealed by a Microsatellite Polymorphism Survey in Ten Wild-Derived Inbred Strains. Genomics, 2002, 79, 618-620.	2.9	6
76	CTLA-4 <sup>-/-</sup> Mice Display T Cell-apoptosis Resistance Resembling that Ascribed to Autoimmune-prone Non-obese Diabetic (NOD) Mice. Journal of Autoimmunity, 2001, 16, 105-113.	6.5	32
77	Low rate of proliferation in immature thymocytes of the non-obese diabetic mouse maps to the Idd6 diabetes susceptibility region. Diabetologia, 2001, 44, 1054-1061.	6.3	19
78	The MHC locus controls size variations in the CD4 compartment of the mouse thymus. Immunogenetics, 2001, 53, 662-668.	2.4	8
79	How murine genetics can help to identify susceptibility genes in human disease. , 1998, 14, 190-191.		0
80	Apoptosis resistance of nonobese diabetic peripheral lymphocytes linked to the Idd5 diabetes susceptibility region. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 8670-8674.	7.1	111
81	Type 1 Diabetes and the Control of Dexamethazone-Induced Apoptosis in Mice Maps to the Same Region on Chromosome 6. Genomics, 1995, 28, 398-404.	2.9	50