Carlos Penha-GonÃ§alves

List of Publications by Year
in descending order

81 papers	1,876 citations	279487 23 h-index	329751 37 g-index
90 all docs	90 docs citations	90 times ranked	2931 citing authors

#	Article	IF	Citations
1	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.	3.3	111
2	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.	1.1	100
3	How Inflammation Impinges on NAFLD: A Role for Kupffer Cells. BioMed Research International, 2015, 2015, 1-11.	0.9	100
4	Signatures in SARS-CoV-2 spike protein conferring escape to neutralizing antibodies. PLoS Pathogens, 2021, 17, e1009772.	2.1	74
5	Improved isolation of murine hepatocytes for in vitro malaria liver stage studies. Malaria Journal, 2007, 6, 169.	0.8	70
6	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.	3.3	54
7	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.	1.4	52
8	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.	1.3	50
9	IFNAR1 Controls Progression to Cerebral Malaria in Children and CD8+ T Cell Brain Pathology in Plasmodium bergheiâ€“Infected Mice. Journal of Immunology, 2013, 190, 5118-5127.	0.4	50
10	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.	1.1	47
11	Of mice and women: rodent models of placental malaria. Trends in Parasitology, 2010, 26, 412-419.	1.5	45
12	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.	1.0	42
13	Intravital Placenta Imaging Reveals Microcirculatory Dynamics Impact on Sequestration and Phagocytosis of Plasmodium-Infected Erythrocytes. PLoS Pathogens, 2013, 9, e1003154.	2.1	42
14	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.	1.3	41
15	Inflammasome activation and IL-1 signaling during placental malaria induce poor pregnancy outcomes. Science Advances, 2020, 6, eaax6346.	4.7	40
16	TREM2 governs Kupffer cell activation and explains belr1 genetic resistance to malaria liver stage infection. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19531-19536.	3.3	37
17	Recrudescent Plasmodium berghei from Pregnant Mice Displays Enhanced Binding to the Placenta and Induces Protection in Multigravida. PLoS ONE, 2009, 4, e5630.	1.1	36
18	Diabetes hinders community-acquired pneumonia outcomes in hospitalized patients. BMJ Open Diabetes Research and Care, 2016, 4, e000181.	1.2	35

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19	Trem-2 Promotes Emergence of Restorative Macrophages and Endothelial Cells During Recovery From Hepatic Tissue Damage. Frontiers in Immunology, 2020, 11, 616044.	2.2	34
20	CTLA-4â^'/â^' Mice Display T Cell-apoptosis Resistance Resembling that Ascribed to Autoimmune-prone Non-obese Diabetic (NOD) Mice. Journal of Autoimmunity, 2001, 16, 105-113.	3.0	32
21	Brain Endothelium: The â€œInnate Immunity Response Hypothesisâ€•in Cerebral Malaria Pathogenesis. Frontiers in Immunology, 2018, 9, 3100.	2.2	32
22	Diabetes Protection and Restoration of Thymocyte Apoptosis in NOD Idd6 Congenic Strains. Diabetes, 2003, 52, 1677-1682.	0.3	29
23	Identification of a Structurally Distinct CD101 Molecule Encoded in the 950-kb Idd10 Region of NOD Mice. Diabetes, 2003, 52, 1551-1556.	0.3	27
24	Genetics of Malaria Inflammatory Responses: A Pathogenesis Perspective. Frontiers in Immunology, 2019, 10, 1771.	2.2	27
25	Production of highâ€quality SARSâ€CoVâ€2 antigens: Impact of bioprocess and storage on glycosylation, biophysical attributes, and ELISA serologic tests performance. Biotechnology and Bioengineering, 2021, 118, 2202-2219.	1.7	27
26	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.	0.8	24
27	Genetic control of parasite clearance leads to resistance to Plasmodium berghei ANKA infection and confers immunity. Genes and Immunity, 2005, 6, 416-421.	2.2	23
28	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.	1.0	23
29	Population homogeneity for the antibody response to COVID-19 BNT162b2/Comirnaty vaccine is only reached after the second dose across all adult age ranges. Nature Communications, 2022, 13, 140.	5.8	22
30	Regulatory T cells Contribute to Diabetes Protection in Lipopolysaccharideâ€Treated Nonâ€Obese Diabetic Mice. Scandinavian Journal of Immunology, 2011, 74, 585-595.	1.3	21
31	Early skin immunological disturbance after Plasmodium-infected mosquito bites. Cellular Immunology, 2012, 277, 22-32.	1.4	20
32	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. Infection and Immunity, 2018, 86, .	1.0	20
33	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.	2.9	19
34	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.	1.1	19
35	Mapping of quantitative trait loci using the skew-normal distribution. Journal of Zhejiang University: Science B, 2007, 8, 792-801.	1.3	18
36	Malaria Liver Stage Susceptibility Locus Identified on Mouse Chromosome 17 by Congenic Mapping. PLoS ONE, 2008, 3, e1874.	1.1	18

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37	Loss of postprandial insulin clearance control by Insulin-degrading enzyme drives dysmetabolism traits. Metabolism: Clinical and Experimental, 2021, 118, 154735.	1.5	18
38	SNP typing reveals similarity in Mycobacterium tuberculosis genetic diversity between Portugal and Northeast Brazil. Infection, Genetics and Evolution, 2013, 18, 238-246.	1.0	17
39	Association of ZAP70 and PTPN6, but Not BANK1 or CLEC2D, with Inflammatory Bowel Disease in the Tunisian Population. Genetic Testing and Molecular Biomarkers, 2013, 17, 321-326.	0.3	17
40	Long Perfect Dinucleotide Repeats Are Typical of Vertebrates, Show Motif Preferences and Size Convergence. Molecular Biology and Evolution, 2004, 21, 1226-1233.	3.5	16
41	Contribution of PTPN22, CD28, CTLA-4 and ZAP-70 variants to the risk of type 1 diabetes in Tunisians. Gene, 2014, 533, 420-426.	1.0	16
42	HGF Secreted by Activated Kupffer Cells Induces Apoptosis of Plasmodium-Infected Hepatocytes. Frontiers in Immunology, 2017, 8, 90.	2.2	15
43	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.	2.2	14
44	Iron overload in Plasmodium berghei-infected placenta as a pathogenesis mechanism of fetal death. Frontiers in Pharmacology, 2014, 5, 155.	1.6	14
45	Association of BANK1 and cytokine gene polymorphisms with type 1 diabetes in Tunisia. Gene, 2014, 536, 296-301.	1.0	14
46	Serum Pantetheinase/Vanin Levels Regulate Erythrocyte Homeostasis and Severity of Malaria. American Journal of Pathology, 2015, 185, 3039-3052.	1.9	14
47	The CREM gene is involved in genetic predisposition to inflammatory bowel disease in the Tunisian population. Human Immunology, 2011, 72, 1204-1209.	1.2	13
48	Autoimmune diseases association study with the KIAA1109â€“IL2â€“IL21 region in a Tunisian population. Molecular Biology Reports, 2014, 41, 7133-7139.	1.0	13
49	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.	1.1	13
50	Allelic penetrance approach as a tool to model two-locus interaction in complex binary traits. Heredity, 2007, 99, 173-184.	1.2	12
51	Non-HLA autoimmunity genetic factors contributing to Autoimmune Polyglandular Syndrome type II in Tunisian patients. Human Immunology, 2012, 73, 740-746.	1.2	12
52	A systematic review of East African-Indian family of Mycobacterium tuberculosis in Brazil. Brazilian Journal of Infectious Diseases, 2017, 21, 317-324.	0.3	12
53	MHC Class II Molecules Control Murine B Cell Responsiveness to Lipopolysaccharide Stimulation. Journal of Immunology, 2006, 177, 4620-4626.	0.4	11
54	Autoimmunity Triggers in the NOD Mouse. Annals of the New York Academy of Sciences, 2009, 1173, 442-448.	1.8	10

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55	Innate stimulation of B1a cells enhances the autoreactive IgM repertoire in the NOD mouse: implications for type 1 diabetes. Diabetologia, 2012, 55, 1761-1772.	2.9	10
56	Murine Model for Preclinical Studies of Var2CSA-Mediated Pathology Associated with Malaria in Pregnancy. Infection and Immunity, 2016, 84, 1761-1774.	1.0	10
57	Dipeptidyl Peptidaseâ€4 Is a Proâ€Recovery Mediator During Acute Hepatotoxic Damage and Mirrors Severe Shifts in Kupffer Cells. Hepatology Communications, 2018, 2, 1080-1094.	2.0	10
58	Multiple enteropathogenic viruses in a gastroenteritis outbreak in a military exercise of the Portuguese Army. Journal of Clinical Virology, 2015, 68, 73-75.	1.6	9
59	The MHC locus controls size variations in the CD4 compartment of the mouse thymus. Immunogenetics, 2001, 53, 662-668.	1.2	8
60	inTB - a data integration platform for molecular and clinical epidemiological analysis of tuberculosis. BMC Bioinformatics, 2013, 14, 264.	1.2	7
61	Maternal-Fetal Conflict During Infection: Lessons From a Mouse Model of Placental Malaria. Frontiers in Microbiology, 2019, 10, 1126.	1.5	7
62	Intravital imaging of hostâ€parasite interactions in organs of the thoracic and abdominopelvic cavities. Cellular Microbiology, 2020, 22, e13201.	1.1	7
63	Unique Genetic Variation Revealed by a Microsatellite Polymorphism Survey in Ten Wild-Derived Inbred Strains. Genomics, 2002, 79, 618-620.	1.3	6
64	Natural Genetic Variants Influencing Type 1 Diabetes in Humans and in the NOD Mouse. Novartis Foundation Symposium, 2008, 267, 57-75.	1.2	6
65	Association of the RAVER2 gene with increased susceptibility for ulcerative colitis. Human Immunology, 2012, 73, 732-735.	1.2	6
66	Immunoglobulin M gene association with autoantibody reactivity and type 1 diabetes. Immunogenetics, 2017, 69, 429-437.	1.2	6
67	Bradykinin Sequestration by Plasmodium berghei Infected Erythrocytes Conditions B2R Signaling and Parasite Uptake by Fetal Trophoblasts. Frontiers in Microbiology, 2018, 9, 3106.	1.5	6
68	Longitudinal Analysis of Antibody Responses to the mRNA BNT162b2 Vaccine in Patients Undergoing Maintenance Hemodialysis: A 6-Month Follow-Up. Frontiers in Medicine, 2021, 8, 796676.	1.2	6
69	The multigenic structure of the MHC locus contributes to positive selection efficiency: A role for MHC classâ€„II gene-specific restriction. European Journal of Immunology, 2005, 35, 3622-3630.	1.6	5
70	Placental Malaria: From Infection to Malfunction. Cell Host and Microbe, 2013, 13, 125-127.	5.1	5
71	Acute gastroenteritis outbreak associated to norovirus GI.9 in a Portuguese army base. Journal of Medical Virology, 2017, 89, 922-925.	2.5	5
72	Bayesian analysis of allelic penetrance models for complex binary traits. Computational Statistics and Data Analysis, 2009, 53, 1271-1283.	0.7	4

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73	CREM variant rs17583959 conferred susceptibility to T1D risk in the Tunisian families. Immunology Letters, 2017, 181, 1-5.	1.1	4
74	TLR4-Endothelin Axis Controls Syncytiotrophoblast Motility and Confers Fetal Protection in Placental Malaria. Infection and Immunity, 2021, 89, e0080920.	1.0	4
75	Prediabetes blunts DPP4 genetic control of postprandial glycaemia and insulin secretion. Diabetologia, 2022, 65, 861-871.	2.9	3
76	Association between the IL2RA polymorphism and type 1 diabetes risk: Family based association study. Meta Gene, 2016, 10, 118-122.	0.3	2
77	Simultaneous norovirus outbreak in three Portuguese army bases in the Lisbon region, December 2017. BMJ Military Health, 2021, 167, 40-43.	0.4	2
78	Modeling Malaria Infection and Immunity against Variant Surface Antigens in PrÃncipe Island, West Africa. PLoS ONE, 2014, 9, e88110.	1.1	1
79	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.	0.8	1
80	How murine genetics can help to identify susceptibility genes in human disease. , 1998, 14, 190-191.		0
81	How protected are populations if transmission relapses? Insights from mathematical modeling and simulation. Malaria Journal, 2012, 11, .	0.8	0