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List of Publications by Year in descending order

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85
papers

2,915
citations

147801

31
h-index

189892

50
g-index

96
all docs

96
docs citations

96
times ranked

4412
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a universal influenza A vaccine based on the M2e peptide fused to the papaya mosaic virus (PapMV) vaccine platform. <i>Vaccine</i> , 2008, 26, 3395-3403.	3.8	172
2	The porin OmpD from nontyphoidal <i>Salmonella</i> is a key target for a protective B1b cell antibody response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9803-9808.	7.1	153
3	Dysregulated Humoral Immunity to Nontyphoidal <i>Salmonella</i> in HIV-Infected African Adults. <i>Science</i> , 2010, 328, 508-512.	12.6	149
4	Bioinformatic analysis and identification of single-stranded RNA sequences recognized by TLR7/8 in the SARS-CoV-2, SARS-CoV, and MERS-CoV genomes. <i>Microbes and Infection</i> , 2020, 22, 226-229.	1.9	143
5	Immunogenicity of papaya mosaic virus-like particles fused to a hepatitis C virus epitope: Evidence for the critical function of multimerization. <i>Virology</i> , 2007, 363, 59-68.	2.4	121
6	Safety and immunogenicity of a virus-like particle pandemic influenza A (H1N1) 2009 vaccine in a blinded, randomized, placebo-controlled trial of adults in Mexico. <i>Vaccine</i> , 2011, 29, 7826-7834.	3.8	118
7	Type I IFN-Mediated Protection of Macrophages and Dendritic Cells Secures Control of Murine Coronavirus Infection. <i>Journal of Immunology</i> , 2009, 182, 1099-1106.	0.8	113
8	The innate immune response to <i>Entamoeba histolytica</i> lipopeptidophosphoglycan is mediated by toll-like receptors 2 and 4. <i>Parasite Immunology</i> , 2005, 27, 127-137.	1.5	75
9	<i>Salmonella</i> porins induce a sustained, lifelong specific bactericidal antibody memory response. <i>Immunology</i> , 2006, 117, 59-70.	4.4	74
10	<i>Mycobacterium tuberculosis</i> lipids regulate cytokines, TLR-2/4 and MHC class II expression in human macrophages. <i>Tuberculosis</i> , 2008, 88, 212-220.	1.9	69
11	Soluble flagellin, FliC, induces an Ag-specific Th2 response, yet promotes β -regulated Th1 clearance of <i>Salmonella typhimurium</i> infection. <i>European Journal of Immunology</i> , 2011, 41, 1606-1618.	2.9	67
12	B1b Cells Recognize Protective Antigens after Natural Infection and Vaccination. <i>Frontiers in Immunology</i> , 2014, 5, 535.	4.8	65
13	Heat shock protein 70 down-regulates the production of toll-like receptor-induced pro-inflammatory cytokines by a heat shock factor-1/constitutive heat shock element-binding factor-dependent mechanism. <i>Journal of Inflammation</i> , 2014, 11, 19.	3.4	62
14	Virus-like particle (VLP)-based vaccines for pandemic influenza. <i>Human Vaccines and Immunotherapeutics</i> , 2012, 8, 411-414.	3.3	61
15	Triggering receptor expressed on myeloid cells (TREM-1) is regulated post-transcriptionally and its ligand is present in the sera of some septic patients. <i>Clinical and Experimental Immunology</i> , 2006, 145, 448-455.	2.6	55
16	Marginal Zone Macrophages and Immune Responses Against Viruses. <i>Journal of Immunology</i> , 2002, 169, 1453-1458.	0.8	50
17	TLR2 and TLR4 signaling shapes specific antibody responses to <i>Salmonella typhi</i> antigens. <i>European Journal of Immunology</i> , 2009, 39, 126-135.	2.9	50
18	LLT1 and CD161 Expression in Human Germinal Centers Promotes B Cell Activation and CXCR4 Downregulation. <i>Journal of Immunology</i> , 2016, 196, 2085-2094.	0.8	49

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19	Outer membrane protein size and LPS O-antigen define protective antibody targeting to the Salmonella surface. <i>Nature Communications</i> , 2020, 11, 851.	12.8	49
20	Induction of optimal anti-viral neutralizing B cell responses by dendritic cells requires transport and release of virus particles in secondary lymphoid organs. <i>European Journal of Immunology</i> , 2000, 30, 185-196.	2.9	47
21	The Capsular Polysaccharide Vi from <i>Salmonella</i> Typhi Is a B1b Antigen. <i>Journal of Immunology</i> , 2012, 189, 5527-5532.	0.8	47
22	Increased expression of hypoxia-induced factor 1 α mRNA and its related genes in myeloid blood cells from critically ill COVID-19 patients. <i>Annals of Medicine</i> , 2021, 53, 197-207.	3.8	45
23	Induction of cellular immune response and anti-Salmonella enterica serovar typhi bactericidal antibodies in healthy volunteers by immunization with a vaccine candidate against typhoid fever. <i>Immunology Letters</i> , 2004, 93, 115-122.	2.5	44
24	Fibroblastic reticular cells initiate immune responses in visceral adipose tissues and secure peritoneal immunity. <i>Science Immunology</i> , 2018, 3, .	11.9	44
25	Triggering receptor expressed on myeloid cells-1 expression on monocytes is associated with inflammation but not with infection in acute pancreatitis. <i>Critical Care</i> , 2009, 13, R69.	5.8	41
26	Virus neutralization by germ-line vs. hypermutated antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 10126-10131.	7.1	40
27	Translating innate response into long-lasting antibody response by the intrinsic antigen adjuvant properties of papaya mosaic virus. <i>Immunology</i> , 2008, 124, 186-197.	4.4	39
28	Salmonella Typhi Porins OmpC and OmpF Are Potent Adjuvants for T-Dependent and T-Independent Antigens. <i>Frontiers in Immunology</i> , 2017, 8, 230.	4.8	38
29	<i>Salmonella</i> Typhi OmpC and OmpF are potent protective immunogens with adjuvant properties. <i>Immunology</i> , 2013, 139, 459-471.	4.4	36
30	IFN- γ -Producing CD4+ T Cells Promote Generation of Protective Germinal Center-Derived IgM+ B Cell Memory against <i>Salmonella</i> Typhi. <i>Journal of Immunology</i> , 2014, 192, 5192-5200.	0.8	35
31	The Increased Expression of TREM-1 on Monocytes Is Associated With Infectious and Noninfectious Inflammatory Processes. <i>Journal of Surgical Research</i> , 2008, 150, 110-117.	1.6	34
32	Safety and Immunogenicity of a Newcastle Disease Virus Vector-Based SARS-CoV-2 Vaccine Candidate, AVX/COVID-12-HEXAPRO (Patria), in Pigs. <i>MBio</i> , 2021, 12, e0190821.	4.1	32
33	IgG Responses to Porins and Lipopolysaccharide within an Outer Membrane-Based Vaccine against Nontyphoidal <i>Salmonella</i> Develop at Discordant Rates. <i>MBio</i> , 2018, 9, .	4.1	31
34	Lipophosphopeptidoglycan of <i>Entamoeba histolytica</i> Induces an Antiinflammatory Innate Immune Response and Downregulation of Toll-Like Receptor 2 (TLR-2) Gene Expression in Human Monocytes. <i>Archives of Medical Research</i> , 2000, 31, S71-S73.	3.3	29
35	CD31 Is Required on CD4+ T Cells To Promote T Cell Survival during <i>Salmonella</i> Infection. <i>Journal of Immunology</i> , 2011, 187, 1553-1565.	0.8	29
36	The Role of Lipopeptidophosphoglycan in the Immune Response to <i>Entamoeba histolytica</i> . <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-12.	3.0	28

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37	Natural and Vaccine-Mediated Immunity to Salmonella Typhimurium is Impaired by the Helminth Nippostrongylus brasiliensis. PLoS Neglected Tropical Diseases, 2014, 8, e3341.	3.0	27
38	Expression of triggering receptor on myeloid cell 1 and histocompatibility complex molecules in sepsis and major abdominal surgery. World Journal of Gastroenterology, 2005, 11, 7473.	3.3	27
39	Combinatorial immunoglobulin light chain variability creates sufficient B cell diversity to mount protective antibody responses against pathogen infections. European Journal of Immunology, 2003, 33, 950-961.	2.9	26
40	Antibody Persistence in Adults Two Years after Vaccination with an H1N1 2009 Pandemic Influenza Virus-Like Particle Vaccine. PLoS ONE, 2016, 11, e0150146.	2.5	25
41	Secondary Rearrangements and Hypermutation Generate Sufficient B Cell Diversity to Mount Protective Antiviral Immunoglobulin Responses. Journal of Experimental Medicine, 1999, 189, 1791-1798.	8.5	24
42	PD-L1 Expression Induced by the 2009 Pandemic Influenza A(H1N1) Virus Impairs the Human T Cell Response. Clinical and Developmental Immunology, 2013, 2013, 1-11.	3.3	23
43	IgG1 Is Required for Optimal Protection after Immunization with the Purified Porin OmpD from Salmonella Typhimurium. Journal of Immunology, 2017, 199, 4103-4109.	0.8	20
44	SARS-CoV-2 IgG Antibodies Seroprevalence and Sera Neutralizing Activity in MEXICO: A National Cross-Sectional Study during 2020. Microorganisms, 2021, 9, 850.	3.6	19
45	Correlation of anti-viral B cell responses and splenic morphology with expression of B cell-specific molecules. International Immunology, 2000, 12, 1275-1284.	4.0	18
46	Innate Lymphoid Cells Have Decreased HLA-DR Expression but Retain Their Responsiveness to TLR Ligands during Sepsis. Journal of Immunology, 2018, 201, 3401-3410.	0.8	18
47	Role of Porins from Salmonella typhi in the Induction of Protective Immunity. Annals of the New York Academy of Sciences, 1994, 730, 350-352.	3.8	17
48	Induction of Antibodies against Salmonella typhi OmpC Porin by Naked DNA Immunization. Annals of the New York Academy of Sciences, 1995, 772, 285-288.	3.8	17
49	PLGA-microencapsulation protects Salmonella typhi outer membrane proteins from acidic degradation and increases their mucosal immunogenicity. Vaccine, 2016, 34, 4263-4269.	3.8	17
50	Pregnant Women Infected with Pandemic H1N1pdm2009 Influenza Virus Displayed Overproduction of Peripheral Blood CD69+ Lymphocytes and Increased Levels of Serum Cytokines. PLoS ONE, 2014, 9, e107900.	2.5	16
51	Development and in vitro evaluation of a new adjuvant system containing Salmonella Typhi porins and chitosan. International Journal of Pharmaceutics, 2020, 578, 119129.	5.2	16
52	Antiviral protection after DNA vaccination is short lived and not enhanced by CpG DNA. Immunology, 2000, 99, 163-169.	4.4	15
53	High Serum Levels of High-Mobility Group Box 1 (HMGB1) and Low Levels of Heat Shock Protein 70 (Hsp70) are Associated with Poor Prognosis in Patients with Acute Pancreatitis. Archives of Medical Research, 2018, 49, 504-511.	3.3	15
54	Evolution of Salmonella Typhi outer membrane protein-specific T and B cell responses in humans following oral Ty21a vaccination: A randomized clinical trial. PLoS ONE, 2017, 12, e0178669.	2.5	15

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55	A Novel M2e Based Flu Vaccine Formulation for Dogs. PLoS ONE, 2013, 8, e77084.	2.5	14
56	Function is Dissociated From Activation-Related Immunophenotype on Phagocytes From Patients With SIRS/Sepsis Syndrome. Shock, 2019, 52, e68-e75.	2.1	14
57	A Shift Towards an Immature Myeloid Profile in Peripheral Blood of Critically Ill COVID-19 Patients. Archives of Medical Research, 2021, 52, 311-323.	3.3	13
58	Toll-like receptors: dysregulation in vivo in patients with acute respiratory distress syndrome. Revista Alergia Mexico, 2004, 51, 210-7.	0.1	13
59	Subversion of innate and adaptive immune activation induced by structurally modified lipopolysaccharide from Salmonella typhimurium. Immunology, 2011, 133, 469-481.	4.4	12
60	Impaired selective cytokine production by CD4+ T cells in Common Variable Immunodeficiency associated with the absence of memory B cells. Clinical Immunology, 2016, 166-167, 19-26.	3.2	12
61	Structural variants of Salmonella Typhimurium lipopolysaccharide induce less dimerization of TLR4/MD-2 and reduced pro-inflammatory cytokine production in human monocytes. Molecular Immunology, 2019, 111, 43-52.	2.2	12
62	Manipulation of microbiota with probiotics as an alternative for treatment of hepatic encephalopathy. Nutrition, 2020, 73, 110693.	2.4	12
63	Low back pain in athletes can be controlled with acupuncture by a catecholaminergic pathway: clinical trial. Acupuncture in Medicine, 2020, 38, 388-395.	1.0	11
64	Lipopopeptidophosphoglycan from <i>Entamoeba histolytica</i> activates human macrophages and dendritic cells and reaches their late endosomes. Parasite Immunology, 2007, 29, 467-474.	1.5	10
65	Humoral and cellular immune responses to influenza vaccination in children with cancer receiving chemotherapy. Oncology Letters, 2012, 4, 329-333.	1.8	9
66	Induction of Progenitor Exhausted Tissue-Resident Memory CD8+ T Cells Upon Salmonella Typhi Porins Adjuvant Immunization Correlates With Melanoma Control and Anti-PD-1 Immunotherapy Cooperation. Frontiers in Immunology, 2020, 11, 583382.	4.8	9
67	Differential Immune Profiles in Two Pandemic Influenza A(H1N1)pdm09 Virus Waves at Pandemic Epicenter. Archives of Medical Research, 2015, 46, 651-658.	3.3	8
68	Conservation of the OmpC Porin Among Typhoidal and Non-Typhoidal Salmonella Serovars. Frontiers in Immunology, 2019, 10, 2966.	4.8	8
69	Increased TNF- α production in response to IL-6 in patients with systemic inflammation without infection. Clinical and Experimental Immunology, 2022, 209, 225-235.	2.6	7
70	Activated endothelial cells limit inflammatory response, but increase chemoattractant potential and bacterial clearance by human monocytes. Cell Biology International, 2015, 39, 721-732.	3.0	6
71	Control and Resolution Mechanisms of the Inflammatory Response 2016. Mediators of Inflammation, 2016, 2016, 1-2.	3.0	6
72	Control and Resolution Mechanisms of the Inflammatory Response. Mediators of Inflammation, 2014, 2014, 1-2.	3.0	5

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73	Quantifying the mortality caused by the H1N1 influenza virus during the 2009 pandemic in Mexico. <i>Journal of Infection in Developing Countries</i> , 2014, 8, 742-748.	1.2	4
74	Accurate diagnosis of sepsis using a neural network: Pilot study using routine clinical variables. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 210, 106366.	4.7	4
75	A Toll/IL-1R/resistance domain-containing thioredoxin regulates phagocytosis in <i>Entamoeba histolytica</i> . <i>Parasites and Vectors</i> , 2012, 5, 224.	2.5	3
76	Antibody responses to influenza viruses in paediatric patients and their contacts at the onset of the 2009 pandemic in Mexico. <i>Journal of Infection in Developing Countries</i> , 2015, 9, 259-266.	1.2	3
77	Multiparameter flow cytometry analysis of leukocyte markers for diagnosis in preterm neonatal sepsis. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2021, 34, 2323-2333.	1.5	3
78	Medical Outcomes in Women Who Became Pregnant after Vaccination with a Virus-Like Particle Experimental Vaccine against Influenza A (H1N1) 2009 Virus Tested during 2009 Pandemic Outbreak. <i>Viruses</i> , 2019, 11, 868.	3.3	2
79	CD4+ and CD8+ Circulating Memory T Cells Are Crucial in the Protection Induced by Vaccination with <i>Salmonella Typhi</i> Porins. <i>Microorganisms</i> , 2021, 9, 770.	3.6	2
80	Editorial: How <i>Salmonella</i> Infection can Inform on Mechanisms of Immune Function and Homeostasis. <i>Frontiers in Immunology</i> , 2015, 6, 451.	4.8	1
81	Response: Differential Immune Profiles in Two Pandemic Influenza A(H1N1)pdm09 Virus Waves at Pandemic Epicenter. <i>Archives of Medical Research</i> , 2016, 47, 490.	3.3	0
82	Effect of Oral ω -3-Polyunsaturated Fatty Acids as a Complement Management to Control Fistula Output and Inflammation in Patients With Digestive Fistula. <i>Journal of Gastrointestinal Surgery</i> , 2017, 21, 453-462.	1.7	0
83	Autodisplay of an avidin with biotin-binding activity on the surface of <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 2018, 40, 591-600.	2.2	0
84	Toll-like receptor 7 and 9 (TLR 7 and TLR 9) expression in biopsies of in situ cervical cancer.. <i>Journal of Clinical Oncology</i> , 2012, 30, e15584-e15584.	1.6	0
85	Seroprevalence and Neutralizing Activity of IgG Antibodies Against SARS-CoV-2 in Mexico. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0