Leopoldo Santos-Argumedo

List of Publications by Year
in descending order

127 papers	3,426 citations	186209 28 h-index	168321 53 g-index
136 all docs	136 docs citations	136 times ranked	4458 citing authors

#	Article	IF	Citations
1	Formation and hydrolysis of cyclic ADP-ribose catalyzed by lymphocyte antigen CD38. Science, 1993, 262, 1056-1059.	6.0	734
2	Arrest of B Lymphocyte Terminal Differentiation by CD40 Signaling: Mechanism for Lack of Antibody-Secreting Cells in Germinal Centers. Immunity, 1998, 8, 733-742.	6.6	130
3	CD38 is expressed selectively during the activation of a subset of mature T cells with reduced proliferation but improved potential to produce cytokines. Journal of Leukocyte Biology, 2005, 77, 513-521.	1.5	103
4	CD38 unresponsiveness of xid B cells implicates Bruton's tyrosine kinase (btk) as a regulator of CD38 induced signal transduction. International Immunology, 1995, 7, 163-170.	1.8	95
5	Bruton's tyrosine kinaseâ€"an integral protein of B cell development that also has an essential role in the innate immune system. Journal of Leukocyte Biology, 2013, 95, 243-250.	1.5	85
6	A B lymphocyte surface molecule mediating activation and protection from apoptosis via calcium channels. Journal of Immunology, 1993, 151, 3119-30.	0.4	84
7	IL-12RÎ²1 Deficiency: Mutation Update and Description of theIL12RB1Variation Database. Human Mutation, 2013, 34, 1329-1339.	1.1	81
8	First Report of the Hyper-IgM Syndrome Registry of the Latin American Society for Immunodeficiencies: Novel Mutations, Unique Infections, and Outcomes. Journal of Clinical Immunology, 2014, 34, 146-156.	2.0	70
9	Identification and characterization of the murine homologue of CD22, a B lymphocyte-restricted adhesion molecule. Journal of Immunology, 1992, 149, 2641-9.	0.4	70
10	Expression cloning of a cDNA encoding a novel murine B cell activation marker. Homology to human CD38. Journal of Immunology, 1993, 151, 3111-8.	0.4	69
11	Clinical and Genotypic Spectrum of Chronic Granulomatous Disease in 71 Latin American Patients: First Report from the LASID Registry. Pediatric Blood and Cancer, 2015, 62, 2101-2107.	0.8	67
12	Innate Defects of the IL-12/IFN-Î³ Axis in Susceptibility to Infections by Mycobacteria andSalmonella. Journal of Interferon and Cytokine Research, 2014, 34, 307-317.	0.5	65
13	Antibodies to Murine CD40 Stimulate Normal B Lymphocytes but Inhibit Proliferation of B Lymphoma Cells. Cellular Immunology, 1993, 152, 468-480.	1.4	64
14	Activation of the Innate Immune Response against DENV in Normal Non-Transformed Human Fibroblasts. PLoS Neglected Tropical Diseases, 2011, 5, e1420.	1.3	61
15	CD38 Signaling Regulates B Lymphocyte Activation via a Phospholipase C (PLC)-Î³2-Independent, Protein Kinase C, Phosphatidylcholine-PLC, and Phospholipase D-Dependent Signaling Cascade. Journal of Immunology, 2005, 174, 2687-2695.	0.4	53
16	The myosin family: unconventional roles of actin-dependent molecular motors in immune cells. Journal of Leukocyte Biology, 2012, 91, 35-46.	1.5	51
17	Expression of Functional Interleukin-12 from Mouse in Transgenic Tomato Plants. Transgenic Research, 2005, 14, 877-885.	1.3	46
18	Myosin 1c Participates in B Cell Cytoskeleton Rearrangements, Is Recruited to the Immunologic Synapse, and Contributes to Antigen Presentation. Journal of Immunology, 2011, 187, 3053-3063.	0.4	43

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19	Myosin 1F Regulates M1-Polarization by Stimulating Intercellular Adhesion in Macrophages. Frontiers in Immunology, 2018, 9, 3118.	2.2	40
20	Translating innate response into longâ€lasting antibody response by the intrinsic antigenâ€adjuvant properties of papaya mosaic virus. Immunology, 2008, 124, 186-197.	2.0	39
21	CD38 induces apoptosis of a murine pro-B leukemic cell line by a tyrosine kinase-dependent but ADP-ribosyl cyclase- and NAD glycohydrolase-independent mechanism. International Immunology, 2006, 18, 1029-1042.	1.8	37
22	Murine B-cell activation via CD38 and protein tyrosine phosphorylation. Immunology, 1994, 83, 513-6.	2.0	36
23	CD44â€stimulated dendrite formation (â€˜spreadingâ€™) in activated B cells. Immunology, 1997, 90, 147-153.	2.0	35
24	CD38 expression on mouse T cells: CD38 defines functionally distinct subsets of Î±Î² TCR+CD4â^'CD8â^'thymocytes. International Immunology, 1995, 7, 213-221.	1.8	34
25	Antigen-specific activation and proliferation of CD4+ and CD8+ T lymphocytes from brucellosis patients. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2002, 96, 340-347.	0.7	34
26	Expression and Function of CD22, a B-cell Restricted Molecule*. Scandinavian Journal of Immunology, 2002, 55, 343-351.	1.3	33
27	Evidence that thalidomide modifies the immune response of patients suffering from actinic prurigo. International Journal of Dermatology, 2004, 43, 893-897.	0.5	32
28	CD38 induces differentiation of immature transitional 2 B lymphocytes in the spleen. Blood, 2008, 111, 3644-3652.	0.6	30
29	A clinical isolate of dengue virus and its proteins induce apoptosis in HMEC-1 cells: a possible implication in pathogenesis. Archives of Virology, 2009, 154, 919-928.	0.9	30
30	CD38 cross-linking enhances TLR-induced B cell proliferation but decreases IgM plasma cell differentiation. European Journal of Immunology, 2007, 37, 358-367.	1.6	29
31	Increased Pro-inflammatory Cytokine Production After Lipopolysaccharide Stimulation in Patients with X-linked Agammaglobulinemia. Journal of Clinical Immunology, 2012, 32, 967-974.	2.0	28
32	Myosin 1g regulates cytoskeleton plasticity, cell migration, exocytosis, and endocytosis in B lymphocytes. European Journal of Immunology, 2014, 44, 877-886.	1.6	27
33	Antibodies to Murine CD40 Protect Normal and Malignant B Cells from Induced Growth Arrest. Cellular Immunology, 1994, 156, 272-285.	1.4	26
34	CD16+ human monocyte-derived dendritic cells matured with different and unrelated stimuli promote similar allogeneic Th2 responses: regulation by pro- and anti-inflammatory cytokines. International Immunology, 2004, 16, 1251-1263.	1.8	26
35	Myosin 1g Contributes to CD44 Adhesion Protein and Lipid Rafts Recycling and Controls CD44 Capping and Cell Migration in B Lymphocytes. Frontiers in Immunology, 2017, 8, 1731.	2.2	26
36	CD38 through the life of a murine B lymphocyte. IUBMB Life, 2011, 63, 840-846.	1.5	25

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37	Myo1g is an active player in maintaining cell stiffness in Bâ€lymphocytes. Cytoskeleton, 2016, 73, 258-268.	1.0	25
38	A fusogenic peptide expressed on the surface of Salmonella enterica elicits CTL responses to a dengue virus epitope. Vaccine, 2007, 25, 5071-5085.	1.7	24
39	TSPAN33 is a novel marker of activated and malignant B cells. Clinical Immunology, 2013, 149, 388-399.	1.4	24
40	CD38 protein deficiency induces autoimmune characteristics and its activation enhances ILâ€10 production by regulatory B cells. Scandinavian Journal of Immunology, 2018, 87, e12664.	1.3	23
41	Cross-Reaction, Enhancement, and Neutralization Activity of Dengue Virus Antibodies against Zika Virus: A Study in the Mexican Population. Journal of Immunology Research, 2019, 2019, 1-14.	0.9	23
42	The spreading of B lymphocytes induced by CD44 cross-linking requires actin, tubulin, and vimentin rearrangements. Journal of Leukocyte Biology, 2004, 75, 233-239.	1.5	22
43	Ontogeny, distribution and function of CD38-expressing B lymphocytes in mice. European Journal of Immunology, 2001, 31, 1261-1267.	1.6	21
44	Characterization of Bruton's tyrosine kinase mutations in Mexican patients with X-linked agammaglobulinemia. Molecular Immunology, 2008, 45, 1094-1098.	1.0	21
45	CD38 is expressed as noncovalently associated homodimers on the surface of murine Bâ€ƒlymphocytes. FEBS Journal, 2004, 271, 1025-1034.	0.2	20
46	Analysis of Antibody Response in Human Dengue Patients from the Mexican Coast Using Recombinant Antigens. Vector-Borne and Zoonotic Diseases, 2008, 8, 69-80.	0.6	20
47	Activated Umbilical Cord Blood Cells from Pre-term and Term Neonates Express CD69 and Synthesize IL-2 but Are Unable to Produce IFN-Î³. Archives of Medical Research, 2003, 34, 100-105.	1.5	19
48	DNA Priming E and NS1 Constructsâ€“Homologous Proteins Boosting Immunization Strategy to Improve Immune Response Against Dengue in Mice. Viral Immunology, 2005, 18, 709-721.	0.6	19
49	Class I myosins in Bâ€cell physiology: functions in spreading, immune synapses, motility, and vesicular traffic. Immunological Reviews, 2013, 256, 190-202.	2.8	19
50	Molecular analysis for patients with <scp>IL</scp>â€12 receptor Î²1 deficiency. Clinical Genetics, 2014, 86, 161-166.	1.0	19
51	Human keratinocyte cultures (HaCaT) can be infected by DENV, triggering innate immune responses that include IFNÎ» and LL37. Immunobiology, 2018, 223, 608-617.	0.8	19
52	A Potential Role for Plasma Uric Acid in the Endothelial Pathology of Plasmodium falciparum malaria. PLoS ONE, 2013, 8, e54481.	1.1	18
53	Lymphocytes and B-cell abnormalities in patients with common variable immunodeficiency (CVID). Allergologia Et Immunopathologia, 2014, 42, 35-43.	1.0	18
54	Low percentages of regulatory T cells in common variable immunodeficiency (CVID) patients with autoimmune diseases and its association with increased numbers of CD4+CD45RO+ T and CD21low B cells. Allergologia Et Immunopathologia, 2019, 47, 457-466.	1.0	18

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55	<scp>CD</scp>38 expression in early <scp>B</scp>â€cell precursors contributes to extracellular signalâ€regulated kinaseâ€mediated apoptosis. Immunology, 2015, 144, 271-281.	2.0	17
56	Enforced and prolonged CD40 ligand expression triggers autoantibody productionin vivo. European Journal of Immunology, 2001, 31, 3484-3492.	1.6	16
57	Activation and Proliferation of T Lymphocyte Subpopulations in Patients with Brucellosis. Archives of Medical Research, 2003, 34, 184-193.	1.5	16
58	A plasmid encoding parts of the dengue virus E and NS1 proteins induces an immune response in a mouse model. Archives of Virology, 2010, 155, 847-856.	0.9	16
59	Variations of B cell subpopulations in peripheral blood of healthy Mexican population according to age: Relevance for diagnosis of primary immunodeficiencies. Allergologia Et Immunopathologia, 2016, 44, 571-579.	1.0	16
60	Clinical and mutational features of X-linked agammaglobulinemia in Mexico. Clinical Immunology, 2016, 165, 38-44.	1.4	16
61	Myo1e modulates the recruitment of activated B cells to inguinal lymph nodes. Journal of Cell Science, 2020, 133, .	1.2	16
62	Intermittent rolling is a defect of the extravasation cascade caused by Myosin1e-deficiency in neutrophils. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26752-26758.	3.3	15
63	Hemophagocytic Lymphohistiocytosis as a Complication in Patients with MSMD. Journal of Clinical Immunology, 2016, 36, 420-422.	2.0	14
64	Toll-like receptors participate in Naegleria fowleri recognition. Parasitology Research, 2018, 117, 75-87.	0.6	13
65	Partial and Transient Clinical Response to Omalizumab in IL-21-Induced Low STAT3-Phosphorylation on Hyper-IgE Syndrome. Case Reports in Immunology, 2019, 2019, 1-5.	0.2	13
66	A Salmonella typhi OmpC fusion protein expressing the CD154 Trp140-Ser149 amino acid strand binds CD40 and activates a lymphoma B-cell line. Immunology, 2003, 110, 206-216.	2.0	12
67	The CD19/CD81 complex physically interacts with CD38 but is not required to induce proliferation in mouse B lymphocytes. Immunology, 2012, 137, 48-55.	2.0	12
68	Clinical and genetic analysis of patients with Xâ€linked hyperâ€<scp>IgM</scp> syndrome. Clinical Genetics, 2013, 83, 585-587.	1.0	12
69	Generation and characterization of a rat monoclonal antibody against the RNA polymerase protein from Dengue Virus-2. Immunological Investigations, 2014, 43, 28-40.	1.0	12
70	Successful adjunctive immunoglobulin treatment in patients affected by leukocyte adhesion deficiency type 1 (LAD-1). Immunologic Research, 2015, 61, 260-268.	1.3	12
71	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.	1.4	12
72	Class I myosins: Highly versatile proteins with specific functions in the immune system. Journal of Leukocyte Biology, 2019, 105, 973-981.	1.5	12

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73	CD45R, CD44 and MHC class II are signaling molecules for the cytoskeleton-dependent induction of dendrites and motility in activated B cells. European Journal of Immunology, 2000, 30, 2723-2728.	1.6	11
74	Dengue Virus Replicative Intermediate RNA Detection by Reverse Transcription-PCR. Vaccine Journal, 2002, 9, 198-200.	3.2	11
75	Novel hypomorphic mutation in IKBKG impairs NEMO-ubiquitylation causing ectodermal dysplasia, immunodeficiency, incontinentia pigmenti, and immune thrombocytopenic purpura. Clinical Immunology, 2015, 160, 163-171.	1.4	11
76	Functional characterization of two new STAT3 mutations associated with hyperâ€IgE syndrome in a Mexican cohort. Clinical Genetics, 2016, 89, 217-221.	1.0	10
77	Tspan33 is Expressed in Transitional and Memory B Cells, but is not Responsible for High <scp>ADAM</scp>10 Expression. Scandinavian Journal of Immunology, 2017, 86, 23-30.	1.3	10
78	Tetraspanin 33 (TSPAN33) regulates endocytosis and migration of human B lymphocytes by affecting the tension of the plasma membrane. FEBS Journal, 2020, 287, 3449-3471.	2.2	10
79	TBC1D10C is a cytoskeletal functional linker that modulates cell spreading and phagocytosis in macrophages. Scientific Reports, 2021, 11, 20946.	1.6	10
80	Production and Characterization of a Monoclonal Antibody Specific for NS3 Protease and the ATPase Region of Dengue-2 Virus. Hybridoma, 2005, 24, 160-164.	0.5	9
81	Localization of CD38 in murine B lymphocytes to plasma but not intracellular membranes. Molecular Immunology, 2005, 42, 703-711.	1.0	9
82	DENV-2 subunit proteins fused to CR2 receptor-binding domain (P28)-induces specific and neutralizing antibodies to the Dengue virus in mice. Human Vaccines and Immunotherapeutics, 2013, 9, 2326-2335.	1.4	9
83	Somatic mosaicism in B cells of a patient with autosomal dominant hyper IgE syndrome. European Journal of Immunology, 2016, 46, 2438-2443.	1.6	9
84	Participation of 14-3-3Îµ and 14-3-3Î¶ proteins in the phagocytosis, component of cellular immune response, in Aedes mosquito cell lines. Parasites and Vectors, 2017, 10, 362.	1.0	9
85	Infectious episodes during pregnancy, at particular mucosal sites, increase specific IgA1 or IgA2 subtype levels in human colostrum. Maternal Health, Neonatology and Perinatology, 2019, 5, 9.	1.0	9
86	Crosstalk Between Dermal Fibroblasts and Dendritic Cells During Dengue Virus Infection. Frontiers in Immunology, 2020, 11, 538240.	2.2	9
87	Integrated measurements by flow cytometry of the cytokines IL-2, IFN-Î³, IL-12, TNF-Î± and functional evaluation of their receptors in human blood. Journal of Immunological Methods, 2003, 280, 73-88.	0.6	8
88	Delayed diagnosis in X-linked agammaglobulinemia and its relationship to the occurrence of mutations in BTK non-kinase domains. Expert Review of Clinical Immunology, 2018, 14, 83-93.	1.3	8
89	Differential localization of unconventional myosin I and nonmuscle myosin II during B cell spreading. Experimental Cell Research, 2006, 312, 3312-3322.	1.2	7
90	Evaluation of the cell growth of mycobacteria using Mycobacterium smegmatis mc2 155 as a representative species. Journal of Microbiology, 2012, 50, 419-425.	1.3	7

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91	Measurement of Suppressor Activity of T CD4+CD25+ T Reg Cells Using Bromodeoxyuridine Incorporation Assay. Immunological Investigations, 2013, 42, 369-381.	1.0	7
92	A novel CD40LG deletion causes the hyper-IgM syndrome with normal CD40L expression in a 6-month-old child. Immunologic Research, 2015, 62, 89-94.	1.3	7
93	Myo1g is required for efficient adhesion and migration of activated B lymphocytes to inguinal lymph nodes. Scientific Reports, 2021, 11, 7197.	1.6	7
94	Epidermal keratinocytes do not activate peripheral Tâ€cells: interleukinâ€10 as a possible regulator. Immunology, 2008, 125, 370-376.	2.0	6
95	Successful stem cell transplantation in a child with chronic granulomatous disease associated with contiguous gene deletion syndrome and complicated by macrophage activation syndrome. Clinical Immunology, 2014, 154, 112-115.	1.4	6
96	Detection of inheritance pattern in thirty-three Mexican males with chronic granulomatous disease through 123 dihydrorhodamine assay. Allergologia Et Immunopathologia, 2014, 42, 580-585.	1.0	6
97	Lipopolysaccharideâ€responsive beigeâ€like anchor acts as a cAMPâ€dependent protein kinase anchoring protein in B cells. Scandinavian Journal of Immunology, 2020, 92, e12922.	1.3	6
98	Severe combined immunodeficiency syndrome associated with colonic stenosis. Archives of Medical Research, 2004, 35, 348-358.	1.5	5
99	Characterization of langerhans cells in epidermal sheets along the body of Armadillo (Dasypus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.5	5
100	Consequences of two naturally occurring missense mutations in the structure and function of Bruton agammaglobulinemia tyrosine kinase. IUBMB Life, 2012, 64, 346-353.	1.5	5
101	Generation and characterization of a monoclonal antibody that crossâ€reacts with the envelope protein from the four dengue virus serotypes. Apmis, 2013, 121, 848-858.	0.9	5
102	Cell Surface Expression of CD154 Inhibits Alloantibody Responses: A Mechanism for the Prevention of Autoimmune Responses against Activated T Cells?. Cellular Immunology, 1999, 195, 157-161.	1.4	4
103	Antigenic Stimulation During Pregnancy Modifies Specific IgA1 and IgA2 Subclasses in Human Colostrum According to the Chemical Composition of the Antigen. Revista De Investigacion Clinica, 2020, 72, 80-87.	0.2	3
104	CD38 Correlates with an Immunosuppressive Treg Phenotype in Lupus-Prone Mice. International Journal of Molecular Sciences, 2021, 22, 11977.	1.8	3
105	Medium-Sized Arterial Vasculitis Associated with Vascular Deposits of Immunoglobin E. Favorable Response to Intravenous Methylprednisolone and Cyclophosphamide. Archives of Medical Research, 2002, 33, 195-200.	1.5	2
106	NIM-R7, a novel marker for resting B1 and marginal-zone B lymphocytes, is also expressed on activated T and B cells. Immunology, 2003, 109, 232-237.	2.0	2
107	Immunogenicity of A 23-Valent Pneumococcal Polysaccharide Vaccine Among Mexican Children. Archives of Medical Research, 2012, 43, 402-405.	1.5	2
108	Two Surface Antigen Targets for Immunotoxin-Mediated Elimination of Normal and Neoplastic Murine B Cells. Current Topics in Microbiology and Immunology, 1992, 182, 331-335.	0.7	2

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109	Identification of Helicobacter pylori Strain cagPAI+ and cagPAIâ˜ Antigens by IgG Antibodies from Sera of Experimentally Colonized Meriones unguiculatus (Mongolian gerbils). Helicobacter, 2011, 16, 200-209.	1.6	1
110	Natural Antibodies. Advances in Neuroimmune Biology, 2012, 3, 345-352.	0.7	1
111	Regulatory IFNâ€Î³â€producing killer dendritic cells are enhanced in B6.MLRâ€Fas^{lpr}/J lupusâ€prone mice. European Journal of Immunology, 2018, 48, 1851-1860.	1.6	1
112	CD38. , 2018, , 869-877.		1
113	Flow-cytometry as an auxiliary in the diagnosis of primary humoral immunodeficiencies. Gaceta Medica De Mexico, 2020, 156, 194-200.	0.5	1
114	Analysis of B Cell Migration by Intravital Microscopy. Bio-protocol, 2020, 10, e3842.	0.2	1
115	Maternal IgA2 Recognizes Similar Fractions of Colostrum and Fecal Neonatal Microbiota. Frontiers in Immunology, 2021, 12, 712130.	2.2	1
116	Myosin 1g and 1f: A Prospective Analysis in NK Cell Functions. Frontiers in Immunology, 2021, 12, 760290.	2.2	1
117	604â€ƒPhenotypic and Functional Analysis of B Cells in Patients with Common Variable Immunodeficiency. World Allergy Organization Journal, 2012, 5, S191.	1.6	0
118	Editorial: Immunopathology of Chronic Bacterial and Viral Diseases Prevalent in Latin America. Frontiers in Immunology, 2020, 11, 749.	2.2	0
119	Colostrum IgA1 antibodies recognize antigens from Helicobacter pylori and prevent cytoskeletal changes in human epithelial cells. European Journal of Immunology, 2021, 51, 2641-2650.	1.6	0
120	CD38. , 2012, , 300-306.		0
121	Brutonâ€™s Tyrosine Kinase (BTK) Beyond B Lymphocytes: A Protein Kinase with Relevance in Innate Immunity. Rare Diseases of the Immune System, 2015, , 99-115.	0.1	0
122	Diversidad fenotÃpica y funcional de los linfocitos B. Revista Alergia Mexico, 2015, 62, 302-311.	0.9	0
123	CD38. , 2016, , 1-9.		0
124	Mycobacterial Infection, Ectodermal Dysplasia and Thrombocytopenic Purpura. , 2019, , 777-780.		0
125	Identification and purification of armadillo (Dasypus novemcinctus) immunoglobulins: preparation of specific antisera to evaluate the immune response in these animals. International Journal of Leprosy and Other Mycobacterial Diseases, 1995, 63, 56-61.	0.3	0
126	Immune response of armadillos (Dasypus novemcinctus). I. Use of lectins to identify lymphocyte subpopulations and to evaluate cell proliferation. International Journal of Leprosy and Other Mycobacterial Diseases, 1995, 63, 546-51.	0.3	0

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127	Atypical patterns of STAT3 phosphorylation in subpopulations B cells in patients with common variable immunodeficiency. Human Immunology, 2022, , .	1.2	0