

Joaquin Madrenas

List of Publications by Citations

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102
papers

4,281
citations

34
h-index

62
g-index

107
ext. papers

4,676
ext. citations

7.2
avg, IF

5
L-index

#	Paper	IF	Citations
102	A molecular perspective of CTLA-4 function. <i>Annual Review of Immunology</i> , 2006 , 24, 65-97	34.7	407
101	Human embryonic stem cells possess immune-privileged properties. <i>Stem Cells</i> , 2004 , 22, 448-56	5.8	282
100	Effects of intensive medical therapy on microemboli and cardiovascular risk in asymptomatic carotid stenosis. <i>Archives of Neurology</i> , 2010 , 67, 180-6		254
99	CTLA-4 (CD152) can inhibit T cell activation by two different mechanisms depending on its level of cell surface expression. <i>Journal of Immunology</i> , 2000 , 165, 1352-6	5.3	206
98	The efficiency of CD4 recruitment to ligand-engaged TCR controls the agonist/partial agonist properties of peptide-MHC molecule ligands. <i>Journal of Experimental Medicine</i> , 1997 , 185, 219-29	16.6	160
97	Mesenchymal stem cells and their use as cell replacement therapy and disease modelling tool. <i>Journal of Cellular and Molecular Medicine</i> , 2008 , 12, 2552-65	5.6	112
96	Toll-like receptor 2 ligands on the staphylococcal cell wall downregulate superantigen-induced T cell activation and prevent toxic shock syndrome. <i>Nature Medicine</i> , 2009 , 15, 641-8	50.5	107
95	The membrane scaffold SLP2 anchors a proteolytic hub in mitochondria containing PARL and the i-AAA protease YME1L. <i>EMBO Reports</i> , 2016 , 17, 1844-1856	6.5	94
94	Surface cytotoxic T lymphocyte-associated antigen 4 partitions within lipid rafts and relocates to the immunological synapse under conditions of inhibition of T cell activation. <i>Journal of Experimental Medicine</i> , 2002 , 195, 1337-47	16.6	92
93	Stomatin-like protein 2 binds cardiolipin and regulates mitochondrial biogenesis and function. <i>Molecular and Cellular Biology</i> , 2011 , 31, 3845-56	4.8	84
92	Dissociation of intracellular signaling pathways in response to partial agonist ligands of the T cell receptor. <i>Journal of Experimental Medicine</i> , 1998 , 187, 1699-709	16.6	81
91	Age-specific mortality during the 1918 influenza pandemic: unravelling the mystery of high young adult mortality. <i>PLoS ONE</i> , 2013 , 8, e69586	3.7	78
90	Bacterial superantigens bypass Lck-dependent T cell receptor signaling by activating a Galpha11-dependent, PLC-beta-mediated pathway. <i>Immunity</i> , 2006 , 25, 67-78	32.3	78
89	Inhibition of CTLA-4 function by the regulatory subunit of serine/threonine phosphatase 2A. <i>Journal of Immunology</i> , 2002 , 168, 5070-8	5.3	77
88	Oral administration of the probiotic combination <i>Lactobacillus rhamnosus</i> GR-1 and <i>L. fermentum</i> RC-14 for human intestinal applications. <i>International Dairy Journal</i> , 2002 , 12, 191-196	3.5	71
87	The inhibitory function of CTLA-4 does not require its tyrosine phosphorylation. <i>Journal of Immunology</i> , 2000 , 164, 49-55	5.3	71
86	A modulatory interleukin-10 response to staphylococcal peptidoglycan prevents Th1/Th17 adaptive immunity to <i>Staphylococcus aureus</i> . <i>Journal of Infectious Diseases</i> , 2011 , 204, 253-62	7	69

85	Tumor suppression by phospholipase C-beta3 via SHP-1-mediated dephosphorylation of Stat5. <i>Cancer Cell</i> , 2009 , 16, 161-71	24.3	65
84	The molecular immunology of acute rejection: an overview. <i>Transplant Immunology</i> , 1993 , 1, 3-27	1.7	62
83	CD40-deficient dendritic cells producing interleukin-10, but not interleukin-12, induce T-cell hyporesponsiveness in vitro and prevent acute allograft rejection. <i>Immunology</i> , 1999 , 98, 159-70	7.8	59
82	T-cell anergy and altered T-cell receptor signaling: effects on autoimmune disease. <i>Trends in Immunology</i> , 1998 , 19, 468-73		56
81	Cytotoxicity of sulfonamide reactive metabolites: apoptosis and selective toxicity of CD8(+) cells by the hydroxylamine of sulfamethoxazole. <i>FASEB Journal</i> , 1999 , 13, 1688-98	0.9	55
80	Double-negative T cells, activated by xenoantigen, lyse autologous B and T cells using a perforin/granzyme-dependent, Fas-Fas ligand-independent pathway. <i>Journal of Immunology</i> , 2006 , 177, 6920-9	5.3	53
79	Cytoskeletal disruption induces T cell apoptosis by a caspase-3 mediated mechanism. <i>Life Sciences</i> , 1999 , 65, 2697-707	6.8	53
78	High molecular weight polysaccharides are key immunomodulators in North American ginseng extracts: characterization of the ginseng genetic signature in primary human immune cells. <i>Journal of Ethnopharmacology</i> , 2012 , 142, 1-13	5	52
77	Regulation of T-cell activation by phosphodiesterase 4B2 requires its dynamic redistribution during immunological synapse formation. <i>Molecular and Cellular Biology</i> , 2003 , 23, 8042-57	4.8	48
76	Stomatin-like protein 2 is required for in vivo mitochondrial respiratory chain supercomplex formation and optimal cell function. <i>Molecular and Cellular Biology</i> , 2015 , 35, 1838-47	4.8	47
75	Peritoneal dialysis solutions inhibit the differentiation and maturation of human monocyte-derived dendritic cells: effect of lactate and glucose-degradation products. <i>Journal of Leukocyte Biology</i> , 2003 , 73, 482-92	6.5	47
74	Zap-70-independent Ca(2+) mobilization and Erk activation in Jurkat T cells in response to T-cell antigen receptor ligation. <i>Molecular and Cellular Biology</i> , 2001 , 21, 7137-49	4.8	42
73	Evolving Bacterial Envelopes and Plasticity of TLR2-Dependent Responses: Basic Research and Translational Opportunities. <i>Frontiers in Immunology</i> , 2013 , 4, 347	8.4	41
72	TLR2 signalling: At the crossroads of commensalism, invasive infections and toxic shock syndrome by Staphylococcus aureus. <i>International Journal of Biochemistry and Cell Biology</i> , 2010 , 42, 1066-71	5.6	39
71	Clustering of a lipid-raft associated pool of ERM proteins at the immunological synapse upon T cell receptor or CD28 ligation. <i>Immunology Letters</i> , 2002 , 83, 143-7	4.1	39
70	Stomatin-like protein 2 deficiency in T cells is associated with altered mitochondrial respiration and defective CD4+ T cell responses. <i>Journal of Immunology</i> , 2012 , 189, 4349-60	5.3	38
69	WilmsTumor 1-associating protein regulates the proliferation of vascular smooth muscle cells. <i>Circulation Research</i> , 2006 , 99, 1338-46	15.7	38
68	Modulation of T cell activation by stomatin-like protein 2. <i>Journal of Immunology</i> , 2008 , 181, 1927-36	5.3	33

67	Senataxin suppresses the antiviral transcriptional response and controls viral biogenesis. <i>Nature Immunology</i> , 2015 , 16, 485-94	19.1	31
66	Conversion of CTLA-4 from inhibitor to activator of T cells with a bispecific tandem single-chain Fv ligand. <i>Journal of Immunology</i> , 2004 , 172, 5948-56	5.3	31
65	Crystal structure of the streptococcal superantigen SpeI and functional role of a novel loop domain in T cell activation by group V superantigens. <i>Journal of Molecular Biology</i> , 2007 , 367, 925-34	6.5	30
64	Hierarchical regulation of CTLA-4 dimer-based lattice formation and its biological relevance for T cell inactivation. <i>Journal of Immunology</i> , 2005 , 175, 996-1004	5.3	30
63	Identification of a novel mechanism for endotoxin-mediated down-modulation of CC chemokine receptor expression. <i>European Journal of Immunology</i> , 2000 , 30, 227-35	6.1	30
62	Mitochondrial and plasma membrane pools of stomatin-like protein 2 coalesce at the immunological synapse during T cell activation. <i>PLoS ONE</i> , 2012 , 7, e37144	3.7	29
61	Impaired GFR is the most important determinant for FGF-23 increase in chronic kidney disease. <i>Clinical Biochemistry</i> , 2011 , 44, 435-7	3.5	29
60	Uncoupling of pro- and anti-inflammatory properties of <i>Staphylococcus aureus</i> . <i>Infection and Immunity</i> , 2015 , 83, 1587-97	3.7	28
59	Pandemic Paradox: Early Life H2N2 Pandemic Influenza Infection Enhanced Susceptibility to Death during the 2009 H1N1 Pandemic. <i>MBio</i> , 2018 , 9,	7.8	28
58	Attenuation of massive cytokine response to the staphylococcal enterotoxin B superantigen by the innate immunomodulatory protein lactoferrin. <i>Clinical and Experimental Immunology</i> , 2009 , 157, 60-70	6.2	26
57	T cell signalling induced by bacterial superantigens. <i>Chemical Immunology and Allergy</i> , 2007 , 93, 161-180		26
56	Superantigen stimulation reveals the contribution of Lck to negative regulation of T cell activation. <i>Journal of Immunology</i> , 2004 , 172, 222-30	5.3	26
55	Is antigenic sin always "original?" Re-examining the evidence regarding circulation of a human H1 influenza virus immediately prior to the 1918 Spanish flu. <i>PLoS Pathogens</i> , 2015 , 11, e1004615	7.6	25
54	Topical probiotics as a therapeutic alternative for chronic rhinosinusitis: A preclinical proof of concept. <i>American Journal of Rhinology and Allergy</i> , 2016 , 30, 202-205	2.4	25
53	HuM291(Nuvion), a humanized Fc receptor-nonbinding antibody against CD3, energizes peripheral blood T cells as partial agonist of the T cell receptor. <i>Transplantation</i> , 2001 , 71, 941-50	1.8	25
52	Immunomodulation and Disease Tolerance to <i>Staphylococcus aureus</i> . <i>Pathogens</i> , 2015 , 4, 793-815	4.5	24
51	Insertion of host-derived costimulatory molecules CD80 (B7.1) and CD86 (B7.2) into human immunodeficiency virus type 1 affects the virus life cycle. <i>Journal of Virology</i> , 2004 , 78, 6222-32	6.6	24
50	Polycationic lipids inhibit the pro-inflammatory response to LPS. <i>Immunology Letters</i> , 2005 , 96, 73-83	4.1	24

49	The broad landscape of immune interactions with <i>Staphylococcus aureus</i> : from commensalism to lethal infections. <i>Burns</i> , 2013 , 39, 380-8	2.3	23
48	Regulation of MHC transcription. <i>Transplantation</i> , 1990 , 50, 725-38	1.8	23
47	Fibroblast growth factor-23 and calcium phosphate product in young chronic kidney disease patients: a cross-sectional study. <i>BMC Nephrology</i> , 2013 , 14, 39	2.7	22
46	The role of IL-10 in microbiome-associated immune modulation and disease tolerance. <i>Cytokine</i> , 2015 , 75, 291-301	4	22
45	FcR gamma presence in TCR complex of double-negative T cells is critical for their regulatory function. <i>Journal of Immunology</i> , 2006 , 177, 2250-7	5.3	22
44	Complement regulatory protein Crry/p65-mediated signaling in T lymphocytes: role of its cytoplasmic domain and partitioning into lipid rafts. <i>Journal of Leukocyte Biology</i> , 2005 , 78, 1386-96	6.5	22
43	Genomic organization and evolution of the CX3CR1/CCR8 chemokine receptor locus. <i>Journal of Biological Chemistry</i> , 2003 , 278, 11985-94	5.4	21
42	Structure-Function analysis of the CTLA-4 interaction with PP2A. <i>BMC Immunology</i> , 2009 , 10, 23	3.7	20
41	Down-regulation of CTLA-4 by HIV-1 Nef protein. <i>PLoS ONE</i> , 2013 , 8, e54295	3.7	19
40	Lck is required for activation-induced T cell death after TCR ligation with partial agonists. <i>Journal of Immunology</i> , 2004 , 172, 1437-43	5.3	19
39	CD45 modulation of CXCR1 and CXCR2 in human polymorphonuclear leukocytes. <i>European Journal of Immunology</i> , 1999 , 29, 1467-76	6.1	19
38	Interferon gamma-mediated renal MHC expression in mercuric chloride-induced glomerulonephritis. <i>Kidney International</i> , 1991 , 39, 273-81	9.9	19
37	Molecular basis of TCR selectivity, cross-reactivity, and allelic discrimination by a bacterial superantigen: integrative functional and energetic mapping of the SpeC-Vbeta2.1 molecular interface. <i>Journal of Immunology</i> , 2006 , 177, 8595-603	5.3	18
36	Thymic re-entry of mature activated T cells and increased negative selection in vascularized allograft recipients. <i>Clinical and Experimental Immunology</i> , 2002 , 127, 43-52	6.2	18
35	Characterization of human peritoneal dendritic cell precursors and their involvement in peritonitis. <i>Clinical and Experimental Immunology</i> , 2005 , 139, 513-25	6.2	17
34	Molecular requirements for MHC class II alpha-chain engagement and allelic discrimination by the bacterial superantigen streptococcal pyrogenic exotoxin C. <i>Journal of Immunology</i> , 2008 , 181, 3384-92	5.3	16
33	The mechanism of action of cyclosporine: a perspective for the 90s. <i>Clinical Biochemistry</i> , 1991 , 24, 3-7	3.5	16
32	Downregulates IP-10 Production and Prevents Th1 Cell Recruitment. <i>Journal of Immunology</i> , 2017 , 198, 1865-1874	5.3	15

31	The T cell receptor beta-chain second complementarity determining region loop (CDR2beta) governs T cell activation and Vbeta specificity by bacterial superantigens. <i>Journal of Biological Chemistry</i> , 2011 , 286, 4871-81	5.4	15
30	Dendritic cell differentiation induced by a self-peptide derived from apolipoprotein E. <i>Journal of Immunology</i> , 2008 , 181, 6859-71	5.3	15
29	Differential signalling by variant ligands of the T cell receptor and the kinetic model of T cell activation. <i>Life Sciences</i> , 1999 , 64, 717-31	6.8	15
28	Extra-uterine mllerian carcinosarcoma. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 1986 , 65, 811-2	3.8	15
27	CTLA-4Ig blocks the development and progression of citrullinated fibrinogen-induced arthritis in DR4-transgenic mice. <i>Arthritis and Rheumatism</i> , 2010 , 62, 2941-52		14
26	RIP2 is required for NOD signaling but not for Th1 cell differentiation and cellular allograft rejection. <i>American Journal of Transplantation</i> , 2008 , 8, 1143-50	8.7	12
25	Determinants of Influenza Mortality Trends: Age-Period-Cohort Analysis of Influenza Mortality in the United States, 1959-2016. <i>Demography</i> , 2019 , 56, 1723-1746	3.5	11
24	Dendritic Cells as Arbiters of Peritoneal Immune Responses. <i>Peritoneal Dialysis International</i> , 2006 , 26, 8-25	2.8	11
23	Inhibition of cytokine production and interference in IL-2 receptor-mediated Jak-Stat signaling by the hydroxylamine metabolite of sulfamethoxazole. <i>FASEB Journal</i> , 2001 , 15, 1855-7	0.9	11
22	Surgical technique for vascularized thymus transplantation in mice. <i>Microsurgery</i> , 1999 , 19, 56-60	2.1	11
21	Staphylococcal Superantigens Use LAMA2 as a Coreceptor To Activate T Cells. <i>Journal of Immunology</i> , 2018 , 200, 1471-1479	5.3	10
20	A SLAT in the Th2 signalosome. <i>Immunity</i> , 2003 , 18, 459-61	32.3	10
19	Stomatin-like protein 2 deficiency results in impaired mitochondrial translation. <i>PLoS ONE</i> , 2017 , 12, e0179967	3.7	9
18	TAOK3 Regulates Canonical TCR Signaling by Preventing Early SHP-1-Mediated Inactivation of LCK. <i>Journal of Immunology</i> , 2018 , 201, 3431-3442	5.3	9
17	Molecular determinants of inverse agonist activity of biologicals targeting CTLA-4. <i>Journal of Immunology</i> , 2007 , 179, 3631-7	5.3	8
16	Viewpoint: therapeutic implications of CTLA-4 compartmentalization. <i>American Journal of Transplantation</i> , 2003 , 3, 919-26	8.7	8
15	HIV-1 gp120 envelope glycoprotein determinants for cytokine burst in human monocytes. <i>PLoS ONE</i> , 2017 , 12, e0174550	3.7	7
14	The future of RIP2/RICK/CARDIAK as a biomarker of the inflammatory response to infection. <i>Expert Review of Molecular Diagnostics</i> , 2008 , 8, 257-61	3.8	7

13	Suppression of CYP1 members of the AHR response by pathogen-associated molecular patterns. <i>Journal of Leukocyte Biology</i> , 2017 , 102, 1471-1480	6.5	6
12	Receptor-interacting protein-2 deficiency delays macrophage migration and increases intracellular infection during peritoneal dialysis-associated peritonitis. <i>American Journal of Nephrology</i> , 2008 , 28, 879-89	4.6	6
11	Giving credit where credit is due: John Hunter and the discovery of erythrocyte sedimentation rate. <i>Lancet, The</i> , 2005 , 366, 2140-1	4.0	6
10	TCR subunit specificity of CTLA-4-mediated signaling. <i>Journal of Leukocyte Biology</i> , 2003 , 74, 1102-7	6.5	6
9	Mechanism of modulation of T cell responses by N-palmitoylated peptides. <i>European Journal of Immunology</i> , 2004 , 34, 3497-507	6.1	5
8	Dendritic cells as arbiters of peritoneal immune responses. <i>Peritoneal Dialysis International</i> , 2006 , 26, 8-25	2.8	4
7	TAOK3, a Regulator of LCK-SHP-1 Crosstalk during TCR Signaling. <i>Critical Reviews in Immunology</i> , 2019 , 39, 59-81	1.8	3
6	Identification of multimolecular complexes and supercomplexes in compartment-selective membrane microdomains. <i>Methods in Cell Biology</i> , 2013 , 117, 411-31	1.8	3
5	Notch activation is required for downregulation of HoxA3-dependent endothelial cell phenotype during blood formation. <i>PLoS ONE</i> , 2017 , 12, e0186818	3.7	3
4	A novel, ataxic mouse model of ataxia telangiectasia caused by a clinically relevant nonsense mutation. <i>ELife</i> , 2021 , 10,	8.9	3
3	CD45 modulation of CXCR1 and CXCR2 in human polymorphonuclear leukocytes 1999 , 29, 1467		3
2	Characterization of oligomers induced by inverse agonists of CTLA-4. <i>Immunology Letters</i> , 2008 , 120, 29-36	4.1	2
1	Stomatin-like Protein 2 Links Mitochondria to T-Cell Receptor Signalosomes at the Immunological Synapse and Enhances T-Cell Activation. <i>Nature Precedings</i> , 2007 ,		1