

Joaquín Madrenas

List of Publications by Year in descending order

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102
papers

5,061
citations

101543

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98798

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107
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107
docs citations

107
times ranked

6843
citing authors

#	ARTICLE	IF	CITATIONS
1	A MOLECULAR PERSPECTIVE OF CTLA-4 FUNCTION. <i>Annual Review of Immunology</i> , 2006, 24, 65-97.	21.8	459
2	Human Embryonic Stem Cells Possess Immune-Privileged Properties. <i>Stem Cells</i> , 2004, 22, 448-456.	3.2	329
3	Effects of Intensive Medical Therapy on Microemboli and Cardiovascular Risk in Asymptomatic Carotid Stenosis. <i>Archives of Neurology</i> , 2010, 67, 180.	4.5	318
4	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, 1352-1356.	0.8	230
5	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, 219-230.	8.5	166
6	The membrane scaffold SLP2 anchors a proteolytic hub in mitochondria containing PARL and the AAA protease YME1L. <i>EMBO Reports</i> , 2016, 17, 1844-1856.	4.5	142
7	Mesenchymal stem cells and their use as cell replacement therapy and disease modelling tool. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 2552-2565.	3.6	129
8	Age-Specific Mortality During the 1918 Influenza Pandemic: Unravelling the Mystery of High Young Adult Mortality. <i>PLoS ONE</i> , 2013, 8, e69586.	2.5	122
9	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, 641-648.	30.7	121
10	Stomatin-Like Protein 2 Binds Cardiolipin and Regulates Mitochondrial Biogenesis and Function. <i>Molecular and Cellular Biology</i> , 2011, 31, 3845-3856.	2.3	114
11	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, 1337-1347.	8.5	102
12	Inhibition of CTLA-4 Function by the Regulatory Subunit of Serine/Threonine Phosphatase 2A. <i>Journal of Immunology</i> , 2002, 168, 5070-5078.	0.8	93
13	Tumor Suppression by Phospholipase C- β 3 via SHP-1-Mediated Dephosphorylation of Stat5. <i>Cancer Cell</i> , 2009, 16, 161-171.	16.8	86
14	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.	3.0	84
15	Bacterial Superantigens Bypass Lck-Dependent T Cell Receptor Signaling by Activating a $\text{G}\alpha_{11}$ -Dependent, PLC- β 2-Mediated Pathway. <i>Immunity</i> , 2006, 25, 67-78.	14.3	82
16	Dissociation of Intracellular Signaling Pathways in Response to Partial Agonist Ligands of the T Cell Receptor. <i>Journal of Experimental Medicine</i> , 1998, 187, 1699-1709.	8.5	81
17	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, 253-262.	4.0	78
18	The Inhibitory Function of CTLA-4 Does Not Require Its Tyrosine Phosphorylation. <i>Journal of Immunology</i> , 2000, 164, 49-55.	0.8	74

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19	Stomatin-Like Protein 2 Is Required for <i>In Vivo</i> Mitochondrial Respiratory Chain Supercomplex Formation and Optimal Cell Function. <i>Molecular and Cellular Biology</i> , 2015, 35, 1838-1847.	2.3	67
20	The molecular immunology of acute rejection: an overview. <i>Transplant Immunology</i> , 1993, 1, 3-27.	1.2	65
21	CD40-deficient dendritic cells producing interleukin-10, but not interleukin-12, induce T-cell hyporesponsiveness <i>in vitro</i> and prevent acute allograft rejection. <i>Immunology</i> , 1999, 98, 159-170.	4.4	65
22	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.	4.1	64
23	Evolving Bacterial Envelopes and Plasticity of TLR2-Dependent Responses: Basic Research and Translational Opportunities. <i>Frontiers in Immunology</i> , 2013, 4, 347.	4.8	63
24	Cytotoxicity of sulfonamide reactive metabolites: apoptosis and selective toxicity of CD8 ⁺ cells by the hydroxylamine of sulfamethoxazole. <i>FASEB Journal</i> , 1999, 13, 1688-1698.	0.5	62
25	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, 6920-6929.	0.8	62
26	Cytoskeletal disruption induces T cell apoptosis by a caspase-3 mediated mechanism. <i>Life Sciences</i> , 1999, 65, 2697-2707.	4.3	59
27	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, 482-492.	3.3	59
28	T-cell anergy and altered T-cell receptor signaling: effects on autoimmune disease. <i>Trends in Immunology</i> , 1998, 19, 468-473.	7.5	57
29	Regulation of T-Cell Activation by Phosphodiesterase 4B2 Requires Its Dynamic Redistribution during Immunological Synapse Formation. <i>Molecular and Cellular Biology</i> , 2003, 23, 8042-8057.	2.3	54
30	Wilms' Tumor 1-Associating Protein Regulates the Proliferation of Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2006, 99, 1338-1346.	4.5	50
31	Senataxin suppresses the antiviral transcriptional response and controls viral biogenesis. <i>Nature Immunology</i> , 2015, 16, 485-494.	14.5	50
32	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, 7137-7149.	2.3	47
33	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, 4349-4360.	0.8	44
34	TLR2 signalling: At the crossroads of commensalism, invasive infections and toxic shock syndrome by <i>Staphylococcus aureus</i> . <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 1066-1071.	2.8	42
35	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, 143-147.	2.5	41
36	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.	0.8	38

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37	Topical Probiotics as a Therapeutic Alternative for Chronic Rhinosinusitis: A Preclinical Proof of Concept. <i>American Journal of Rhinology and Allergy</i> , 2016, 30, e202-e205.	2.0	38
38	Modulation of T Cell Activation by Stomatin-Like Protein 2. <i>Journal of Immunology</i> , 2008, 181, 1927-1936.	0.8	37
39	Impaired GFR is the most important determinant for FGF-23 increase in chronic kidney disease. <i>Clinical Biochemistry</i> , 2011, 44, 435-437.	1.9	36
40	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.	4.7	36
41	Pandemic Paradox: Early Life H2N2 Pandemic Influenza Infection Enhanced Susceptibility to Death during the 2009 H1N1 Pandemic. <i>MBio</i> , 2018, 9, .	4.1	35
42	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, 925-934.	4.2	34
43	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.	2.5	34
44	T Cell Signalling Induced by Bacterial Superantigens. , 2007, 93, 161-180.		33
45	Immunomodulation and Disease Tolerance to <i>Staphylococcus aureus</i> . <i>Pathogens</i> , 2015, 4, 793-815.	2.8	33
46	Uncoupling of Pro- and Anti-Inflammatory Properties of <i>Staphylococcus aureus</i> . <i>Infection and Immunity</i> , 2015, 83, 1587-1597.	2.2	33
47	Identification of a novel mechanism for endotoxin-mediated down-modulation of CC chemokine receptor expression. <i>European Journal of Immunology</i> , 2000, 30, 227-235.	2.9	32
48	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, 5948-5956.	0.8	32
49	The role of IL-10 in microbiome-associated immune modulation and disease tolerance. <i>Cytokine</i> , 2015, 75, 291-301.	3.2	30
50	Superantigen Stimulation Reveals the Contribution of Lck to Negative Regulation of T Cell Activation. <i>Journal of Immunology</i> , 2004, 172, 222-230.	0.8	29
51	HuM291 (NUVION), A HUMANIZED Fc RECEPTOR-NONBINDING ANTIBODY AGAINST CD3, ANERCIZES PERIPHERAL BLOOD T CELLS AS PARTIAL AGONIST OF THE T CELL RECEPTOR1. <i>Transplantation</i> , 2001, 71, 941-950.	1.0	27
52	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.	2.6	27
53	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, 6222-6232.	3.4	26
54	Polycationic lipids inhibit the pro-inflammatory response to LPS. <i>Immunology Letters</i> , 2005, 96, 73-83.	2.5	26

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55	REGULATION OF MHC TRANSCRIPTION. <i>Transplantation</i> , 1990, 50, 725-738.	1.0	25
56	The broad landscape of immune interactions with <i>Staphylococcus aureus</i> : From commensalism to lethal infections. <i>Burns</i> , 2013, 39, 380-388.	1.9	25
57	Lck Is Required for Activation-Induced T Cell Death after TCR Ligation with Partial Agonists. <i>Journal of Immunology</i> , 2004, 172, 1437-1443.	0.8	24
58	Interferon gamma-mediated renal MHC expression in mercuric chloride-induced glomerulonephritis. <i>Kidney International</i> , 1991, 39, 273-281.	5.2	23
59	Structure-Function analysis of the CTLA-4 interaction with PP2A. <i>BMC Immunology</i> , 2009, 10, 23.	2.2	23
60	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.	1.8	23
61	CD45 modulation of CXCR1 and CXCR2 in human polymorphonuclear leukocytes. <i>European Journal of Immunology</i> , 1999, 29, 1467-1476.	2.9	22
62	Genomic Organization and Evolution of the CX3CR1/CCR8 Chemokine Receptor Locus. <i>Journal of Biological Chemistry</i> , 2003, 278, 11985-11994.	3.4	22
63	Complement regulatory protein Crp/p65-mediated signaling in T lymphocytes: role of its cytoplasmic domain and partitioning into lipid rafts. <i>Journal of Leukocyte Biology</i> , 2005, 78, 1386-1396.	3.3	22
64	FcγR3 Presence in TCR Complex of Double-Negative T Cells Is Critical for Their Regulatory Function. <i>Journal of Immunology</i> , 2006, 177, 2250-2257.	0.8	22
65	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.	2.6	21
66	Molecular Basis of TCR Selectivity, Cross-Reactivity, and Allelic Discrimination by a Bacterial Superantigen: Integrative Functional and Energetic Mapping of the SpeC-Vβ2.1 Molecular Interface. <i>Journal of Immunology</i> , 2006, 177, 8595-8603.	0.8	20
67	Down-Regulation of CTLA-4 by HIV-1 Nef Protein. <i>PLoS ONE</i> , 2013, 8, e54295.	2.5	20
68	Characterization of human peritoneal dendritic cell precursors and their involvement in peritonitis. <i>Clinical and Experimental Immunology</i> , 2005, 139, 513-525.	2.6	19
69	The mechanism of action of cyclosporine: A perspective for the 90's. <i>Clinical Biochemistry</i> , 1991, 24, 3-7.	1.9	18
70	Differential signalling by variant ligands of the T cell receptor and the kinetic model of T cell activation. <i>Life Sciences</i> , 1999, 64, 717-731.	4.3	18
71	CTLA-4Ig blocks the development and progression of citrullinated fibrinogen-induced arthritis in DR4-transgenic mice. <i>Arthritis and Rheumatism</i> , 2010, 62, 2941-2952.	6.7	18
72	Molecular Requirements for MHC Class II Î±-Chain Engagement and Allelic Discrimination by the Bacterial Superantigen Streptococcal Pyrogenic Exotoxin C. <i>Journal of Immunology</i> , 2008, 181, 3384-3392.	0.8	17

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73	The T Cell Receptor β -Chain Second Complementarity Determining Region Loop (CDR2 β) Governs T Cell Activation and $V\beta$ Specificity by Bacterial Superantigens. <i>Journal of Biological Chemistry</i> , 2011, 286, 4871-4881.	3.4	17
74	<i>Staphylococcus aureus</i> Downregulates IP-10 Production and Prevents Th1 Cell Recruitment. <i>Journal of Immunology</i> , 2017, 198, 1865-1874.	0.8	17
75	TAOK3 Regulates Canonical TCR Signaling by Preventing Early SHP-1-Mediated Inactivation of LCK. <i>Journal of Immunology</i> , 2018, 201, 3431-3442.	0.8	17
76	Extra-Uterine Malignant Carcinoma. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1986, 65, 811-812.	2.8	16
77	Dendritic Cell Differentiation Induced by a Self-Peptide Derived from Apolipoprotein E. <i>Journal of Immunology</i> , 2008, 181, 6859-6871.	0.8	16
78	HIV-1 gp120 envelope glycoprotein determinants for cytokine burst in human monocytes. <i>PLoS ONE</i> , 2017, 12, e0174550.	2.5	15
79	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.	2.5	15
80	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, 1855-1857.	0.5	14
81	RIP2 Is Required for NOD Signaling But Not for Th1 Cell Differentiation and Cellular Allograft Rejection. <i>American Journal of Transplantation</i> , 2008, 8, 1143-1150.	4.7	14
82	Stomatin-like protein 2 deficiency results in impaired mitochondrial translation. <i>PLoS ONE</i> , 2017, 12, e0179967.	2.5	14
83	<i>Staphylococcal</i> Superantigens Use LAMA2 as a Coreceptor To Activate T Cells. <i>Journal of Immunology</i> , 2018, 200, 1471-1479.	0.8	14
84	Surgical technique for vascularized thymus transplantation in mice. , 1999, 19, 56-60.		13
85	A SLAT in the Th2 Signalosome. <i>Immunity</i> , 2003, 18, 459-461.	14.3	12
86	Dendritic Cells as Arbiters of Peritoneal Immune Responses. <i>Peritoneal Dialysis International</i> , 2006, 26, 8-25.	2.3	12
87	A novel, ataxic mouse model of ataxia telangiectasia caused by a clinically relevant nonsense mutation. <i>ELife</i> , 2021, 10, .	6.0	11
88	Viewpoint: Therapeutic Implications of CTLA-4 Compartmentalization. <i>American Journal of Transplantation</i> , 2003, 3, 919-926.	4.7	10
89	Giving credit where credit is due: John Hunter and the discovery of erythrocyte sedimentation rate. <i>Lancet</i> , The, 2005, 366, 2140-2141.	13.7	9
90	Molecular Determinants of Inverse Agonist Activity of Biologicals Targeting CTLA-4. <i>Journal of Immunology</i> , 2007, 179, 3631-3637.	0.8	8

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91	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, 879-889.	3.1	8
92	Suppression of CYP1 members of the AHR response by pathogen-associated molecular patterns. <i>Journal of Leukocyte Biology</i> , 2017, 102, 1471-1480.	3.3	8
93	The future of RIP2/RICK/CARDIAK as a biomarker of the inflammatory response to infection. <i>Expert Review of Molecular Diagnostics</i> , 2008, 8, 257-261.	3.1	7
94	TCR subunit specificity of CTLA-4-mediated signaling. <i>Journal of Leukocyte Biology</i> , 2003, 74, 1102-1107.	3.3	6
95	Notch activation is required for downregulation of HoxA3-dependent endothelial cell phenotype during blood formation. <i>PLoS ONE</i> , 2017, 12, e0186818.	2.5	6
96	Mechanism of modulation of T cell responses by N-palmitoylated peptides. <i>European Journal of Immunology</i> , 2004, 34, 3497-3507.	2.9	5
97	TAOK3, a Regulator of LCK-SHP-1 Crosstalk during TCR Signaling. <i>Critical Reviews in Immunology</i> , 2019, 39, 59-81.	0.5	4
98	CD45 modulation of CXCR1 and CXCR2 in human polymorphonuclear leukocytes. <i>European Journal of Immunology</i> , 1999, 29, 1467-1476.	2.9	4
99	Dendritic cells as arbiters of peritoneal immune responses. <i>Peritoneal Dialysis International</i> , 2006, 26, 8-25.	2.3	4
100	Identification of Multimolecular Complexes and Supercomplexes in Compartment-Selective Membrane Microdomains. <i>Methods in Cell Biology</i> , 2013, 117, 411-431.	1.1	3
101	Characterization of oligomers induced by inverse agonists of CTLA-4. <i>Immunology Letters</i> , 2008, 120, 29-36.	2.5	2
102	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, , .	0.1	1