

Fernando Macian

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77
papers

12,565
citations

36
h-index

83
g-index

83
ext. papers

14,000
ext. citations

10.6
avg, IF

6.08
L-index

#	Paper	IF	Citations
77	Protective role of chaperone-mediated autophagy against atherosclerosis.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2121133119	11.5	2
76	Reciprocal regulation of chaperone-mediated autophagy and the circadian clock. <i>Nature Cell Biology</i> , 2021 ,	23.4	3
75	H1 histones control the epigenetic landscape by local chromatin compaction. <i>Nature</i> , 2021 , 589, 293-298	50.4	40
74	Functional Genomics of the Pediatric Obese Asthma Phenotype Reveal Enrichment of Rho-GTPase Pathways. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 259-274	10.2	6
73	Induction of Effective Immunity against <i>Trypanosoma cruzi</i> . <i>Infection and Immunity</i> , 2020 , 88,	3.7	5
72	The T Cell Receptor Repertoire in Neuropsychiatric Systemic Lupus Erythematosus. <i>Frontiers in Immunology</i> , 2020 , 11, 1476	8.4	4
71	The negative effect of lipid challenge on autophagy inhibits T cell responses. <i>Autophagy</i> , 2020 , 16, 223-238	38.2	7
70	Glioblastoma ablates pericytes antitumor immune function through aberrant up-regulation of chaperone-mediated autophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 20655-20665	11.5	46
69	Autophagy and T Cell Aging 2019 , 1-20		
68	Low Intensity Focused Ultrasound (LOFU)-mediated Acoustic Immune Priming and Ablative Radiation Therapy for in situ Tumor Vaccines. <i>Scientific Reports</i> , 2019 , 9, 15516	4.9	7
67	Autophagy in T Cell Function and Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 213	5.7	23
66	Age-associated changes in human CD4 T cells point to mitochondrial dysfunction consequent to impaired autophagy. <i>Aging</i> , 2019 , 11, 9234-9263	5.6	28
65	Autophagy and T Cell Aging 2019 , 1359-1378		
64	Advances in Understanding the Molecular Basis of the Mediterranean Diet Effect. <i>Annual Review of Food Science and Technology</i> , 2018 , 9, 227-249	14.7	29
63	Autophagy and T cell metabolism. <i>Cancer Letters</i> , 2018 , 419, 20-26	9.9	30
62	CDC42-related genes are upregulated in helper T cells from obese asthmatic children. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 539-548.e7	11.5	16
61	Autophagy Is a Tolerance-Avoidance Mechanism that Modulates TCR-Mediated Signaling and Cell Metabolism to Prevent Induction of T Cell Anergy. <i>Cell Reports</i> , 2018 , 24, 1136-1150	10.6	33

60	A Distinct T Follicular Helper Cell Subset Infiltrates the Brain in Murine Neuropsychiatric Lupus. <i>Frontiers in Immunology</i> , 2018 , 9, 487	8.4	20
59	The Intersection of Aging Biology and the Pathobiology of Lung Diseases: A Joint NHLBI/NIA Workshop. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 1492-1500	6.4	40
58	Activation-Induced Autophagy Is Preserved in CD4+ T-Cells in Familial Longevity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 1201-1206	6.4	27
57	The Transcription Factor NFAT1 Participates in the Induction of CD4 T Cell Functional Exhaustion during <i>Plasmodium yoelii</i> Infection. <i>Infection and Immunity</i> , 2017 , 85,	3.7	8
56	Glioblastoma progression is assisted by induction of immunosuppressive function of pericytes through interaction with tumor cells. <i>Oncotarget</i> , 2017 , 8, 68614-68626	3.3	44
55	Key roles of autophagy in regulating T-cell function. <i>European Journal of Immunology</i> , 2016 , 46, 1326-34	6.1	43
54	Low-Intensity Focused Ultrasound Induces Reversal of Tumor-Induced T Cell Tolerance and Prevents Immune Escape. <i>Journal of Immunology</i> , 2016 , 196, 1964-76	5.3	30
53	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
52	Asparagine deprivation mediated by <i>Salmonella</i> asparaginase causes suppression of activation-induced T cell metabolic reprogramming. <i>Journal of Leukocyte Biology</i> , 2016 , 99, 387-98	6.5	26
51	Assays for Monitoring Macroautophagy Activity in T cells. <i>Methods in Molecular Biology</i> , 2015 , 1343, 143-53	5.3	4
50	Common E-chain cytokine signaling is required for macroautophagy induction during CD4+ T-cell activation. <i>Autophagy</i> , 2015 , 11, 1864-77	10.2	38
49	Inflammation, metabolic dysregulation, and pulmonary function among obese urban adolescents with asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 191, 149-60	10.2	110
48	Regulatory T cells suppress CD4+ T cells through NFAT-dependent transcriptional mechanisms. <i>EMBO Reports</i> , 2014 , 15, 991-9	6.5	28
47	Chaperone-mediated autophagy regulates T cell responses through targeted degradation of negative regulators of T cell activation. <i>Nature Immunology</i> , 2014 , 15, 1046-54	19.1	121
46	Autophagy and the immune function in aging. <i>Current Opinion in Immunology</i> , 2014 , 29, 97-104	7.8	87
45	Tle4 regulates epigenetic silencing of gamma interferon expression during effector T helper cell tolerance. <i>Molecular and Cellular Biology</i> , 2014 , 34, 233-45	4.8	6
44	Induction and stability of the anergic phenotype in T cells. <i>Seminars in Immunology</i> , 2013 , 25, 313-20	10.7	37
43	Suppression of inflammatory responses during myelin oligodendrocyte glycoprotein-induced experimental autoimmune encephalomyelitis is regulated by AKT3 signaling. <i>Journal of Immunology</i> , 2013 , 190, 1528-39	5.3	32

42	Uncovering the mechanisms that regulate tumor-induced T-cell anergy. <i>OncImmunology</i> , 2013 , 2, e226792	10
41	Helios induces epigenetic silencing of IL2 gene expression in regulatory T cells. <i>Journal of Immunology</i> , 2013 , 190, 1008-16	5.3 67
40	The lipid kinase PI4KIIIβ preserves lysosomal identity. <i>EMBO Journal</i> , 2013 , 32, 324-39	13 86
39	Silencing of the IL2 gene transcription is regulated by epigenetic changes in anergic T cells. <i>European Journal of Immunology</i> , 2012 , 42, 2471-83	6.1 11
38	Age-related oxidative stress compromises endosomal proteostasis. <i>Cell Reports</i> , 2012 , 2, 136-49	10.6 56
37	Autophagy, nutrition and immunology. <i>Molecular Aspects of Medicine</i> , 2012 , 33, 2-13	16.7 64
36	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544.2	2783
35	Autophagy and the regulation of the immune response. <i>Pharmacological Research</i> , 2012 , 66, 475-83	10.2 39
34	Autophagy and disease: always two sides to a problem. <i>Journal of Pathology</i> , 2012 , 226, 255-73	9.4 211
33	Selective autophagy in the maintenance of cellular homeostasis in aging organisms. <i>Biogerontology</i> , 2012 , 13, 21-35	4.5 69
32	NFAT1 supports tumor-induced anergy of CD4(+) T cells. <i>Cancer Research</i> , 2012 , 72, 4642-51	10.1 32
31	Chaperone-mediated autophagy is required for tumor growth. <i>Science Translational Medicine</i> , 2011 , 3, 109ra117	17.5 159
30	Ceacam1 separates graft-versus-host-disease from graft-versus-tumor activity after experimental allogeneic bone marrow transplantation. <i>PLoS ONE</i> , 2011 , 6, e21611	3.7 3
29	A photoconvertible fluorescent reporter to track chaperone-mediated autophagy. <i>Nature Communications</i> , 2011 , 2, 386	17.4 123
28	Lymphocytic host response to oral squamous cell carcinoma: an adaptive T-cell response at the tumor interface. <i>Head and Neck Pathology</i> , 2011 , 5, 117-22	3.3 24
27	The NFAT Family 2010 , 2083-2091	
26	Macroautophagy regulates energy metabolism during effector T cell activation. <i>Journal of Immunology</i> , 2010 , 185, 7349-57	5.3 204
25	Mechanisms of self-inactivation in anergic T cells. <i>Immunologia (Barcelona, Spain: 1987)</i> , 2010 , 29, 20-33	0

24	Transcriptional complexes formed by NFAT dimers regulate the induction of T cell tolerance. <i>Journal of Experimental Medicine</i> , 2009 , 206, 867-76	16.6	65
23	Transcriptional Regulation of T Cell Tolerance 2009 , 1-20		
22	Regulation of T-cell tolerance by calcium/NFAT signaling. <i>Immunological Reviews</i> , 2009 , 231, 225-40	11.3	69
21	IL-2 signaling prevents T cell anergy by inhibiting the expression of anergy-inducing genes. <i>Molecular Immunology</i> , 2009 , 46, 999-1006	4.3	48
20	Transcriptional complexes formed by NFAT dimers regulate the induction of T cell tolerance. <i>Journal of Cell Biology</i> , 2009 , 185, i2-i2	7.3	
19	Targeted cleavage of signaling proteins by caspase 3 inhibits T cell receptor signaling in anergic T cells. <i>Immunity</i> , 2008 , 29, 193-204	32.3	50
18	Regulation of transcription factor NFAT by ADP-ribosylation. <i>Molecular and Cellular Biology</i> , 2008 , 28, 2860-71	4.8	71
17	E3 ubiquitin ligases and immune tolerance: Targeting the immune synapse from within? 2008 , 129-146		
16	Orthopedic implant particle-induced tumor necrosis factor-alpha production in macrophage-monocyte lineage cells is mediated by nuclear factor of activated T cells. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1117, 143-50	6.5	14
15	Interleukin 2 gene transcription is regulated by Ikaros-induced changes in histone acetylation in anergic T cells. <i>Blood</i> , 2007 , 109, 2878-86	2.2	74
14	Transcriptional regulation of T cell tolerance. <i>Seminars in Immunology</i> , 2007 , 19, 180-7	10.7	30
13	NFAT proteins: key regulators of T-cell development and function. <i>Nature Reviews Immunology</i> , 2005 , 5, 472-84	36.5	1090
12	A molecular dissection of lymphocyte unresponsiveness induced by sustained calcium signalling. <i>Novartis Foundation Symposium</i> , 2005 , 267, 165-74; discussion 174-9		16
11	Calcineurin imposes T cell unresponsiveness through targeted proteolysis of signaling proteins. <i>Nature Immunology</i> , 2004 , 5, 255-65	19.1	451
10	T-cell anergy. <i>Current Opinion in Immunology</i> , 2004 , 16, 209-16	7.8	124
9	The NFAT Family: Structure, Regulation, and Biological Functions 2003 , 119-124		
8	An asymmetric NFAT1 dimer on a pseudo-palindromic kappa B-like DNA site. <i>Nature Structural and Molecular Biology</i> , 2003 , 10, 807-11	17.6	54
7	TID1, a mammalian homologue of the drosophila tumor suppressor lethal(2) tumorous imaginal discs, regulates activation-induced cell death in Th2 cells. <i>Oncogene</i> , 2003 , 22, 4636-41	9.2	20

6	T(H) cell differentiation is accompanied by dynamic changes in histone acetylation of cytokine genes. <i>Nature Immunology</i> , 2002 , 3, 643-51	19.1	433
5	Transcriptional mechanisms underlying lymphocyte tolerance. <i>Cell</i> , 2002 , 109, 719-31	56.2	553
4	Partners in transcription: NFAT and AP-1. <i>Oncogene</i> , 2001 , 20, 2476-89	9.2	588
3	Nerve conduction velocity decrease and synaptic transmission alterations in caffeine-treated rats. <i>Neurotoxicology and Teratology</i> , 1994 , 16, 11-5	3.9	5
2	An improved vector system for constructing transcriptional lacZ fusions: analysis of regulation of the dnaA, dnaN, recF and gyrB genes of Escherichia coli. <i>Gene</i> , 1994 , 145, 17-24	3.8	40
1	Temperature dependence of the toxic effects of phenytoin on peripheral neuromuscular function of the rat tail. <i>Neurotoxicology and Teratology</i> , 1990 , 12, 627-31	3.9	7