

Fernando Macian

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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	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
76	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544	10.2	2783
75	NFAT proteins: key regulators of T-cell development and function. <i>Nature Reviews Immunology</i> , 2005 , 5, 472-84	36.5	1090
74	Partners in transcription: NFAT and AP-1. <i>Oncogene</i> , 2001 , 20, 2476-89	9.2	588
73	Transcriptional mechanisms underlying lymphocyte tolerance. <i>Cell</i> , 2002 , 109, 719-31	56.2	553
72	Calcineurin imposes T cell unresponsiveness through targeted proteolysis of signaling proteins. <i>Nature Immunology</i> , 2004 , 5, 255-65	19.1	451
71	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
70	Autophagy and disease: always two sides to a problem. <i>Journal of Pathology</i> , 2012 , 226, 255-73	9.4	211
69	Macroautophagy regulates energy metabolism during effector T cell activation. <i>Journal of Immunology</i> , 2010 , 185, 7349-57	5.3	204
68	Chaperone-mediated autophagy is required for tumor growth. <i>Science Translational Medicine</i> , 2011 , 3, 109ra117	17.5	159
67	T-cell anergy. <i>Current Opinion in Immunology</i> , 2004 , 16, 209-16	7.8	124
66	A photoconvertible fluorescent reporter to track chaperone-mediated autophagy. <i>Nature Communications</i> , 2011 , 2, 386	17.4	123
65	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
64	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
63	Autophagy and the immune function in aging. <i>Current Opinion in Immunology</i> , 2014 , 29, 97-104	7.8	87
62	The lipid kinase PI4KIII β preserves lysosomal identity. <i>EMBO Journal</i> , 2013 , 32, 324-39	13	86
61	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

60	Regulation of transcription factor NFAT by ADP-ribosylation. <i>Molecular and Cellular Biology</i> , 2008 , 28, 2860-71	4.8	71
59	Selective autophagy in the maintenance of cellular homeostasis in aging organisms. <i>Biogerontology</i> , 2012 , 13, 21-35	4.5	69
58	Regulation of T-cell tolerance by calcium/NFAT signaling. <i>Immunological Reviews</i> , 2009 , 231, 225-40	11.3	69
57	Helios induces epigenetic silencing of IL2 gene expression in regulatory T cells. <i>Journal of Immunology</i> , 2013 , 190, 1008-16	5.3	67
56	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
55	Autophagy, nutrition and immunology. <i>Molecular Aspects of Medicine</i> , 2012 , 33, 2-13	16.7	64
54	Age-related oxidative stress compromises endosomal proteostasis. <i>Cell Reports</i> , 2012 , 2, 136-49	10.6	56
53	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
52	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
51	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
50	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
49	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
48	Key roles of autophagy in regulating T-cell function. <i>European Journal of Immunology</i> , 2016 , 46, 1326-34	6.1	43
47	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
46	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
45	H1 histones control the epigenetic landscape by local chromatin compaction. <i>Nature</i> , 2021 , 589, 293-298	50.4	40
44	Autophagy and the regulation of the immune response. <i>Pharmacological Research</i> , 2012 , 66, 475-83	10.2	39
43	Common T-chain cytokine signaling is required for macroautophagy induction during CD4+ T-cell activation. <i>Autophagy</i> , 2015 , 11, 1864-77	10.2	38

42	Induction and stability of the anergic phenotype in T cells. <i>Seminars in Immunology</i> , 2013 , 25, 313-20	10.7	37
41	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
40	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
39	NFAT1 supports tumor-induced anergy of CD4(+) T cells. <i>Cancer Research</i> , 2012 , 72, 4642-51	10.1	32
38	Autophagy and T cell metabolism. <i>Cancer Letters</i> , 2018 , 419, 20-26	9.9	30
37	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
36	Transcriptional regulation of T cell tolerance. <i>Seminars in Immunology</i> , 2007 , 19, 180-7	10.7	30
35	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
34	Regulatory T cells suppress CD4+ T cells through NFAT-dependent transcriptional mechanisms. <i>EMBO Reports</i> , 2014 , 15, 991-9	6.5	28
33	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
32	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
31	Asparagine deprivation mediated by Salmonella asparaginase causes suppression of activation-induced T cell metabolic reprogramming. <i>Journal of Leukocyte Biology</i> , 2016 , 99, 387-98	6.5	26
30	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
29	Autophagy in T Cell Function and Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 213	5.7	23
28	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
27	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
26	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
25	A molecular dissection of lymphocyte unresponsiveness induced by sustained calcium signalling. <i>Novartis Foundation Symposium</i> , 2005 , 267, 165-74; discussion 174-9		16

24	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
23	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
22	Uncovering the mechanisms that regulate tumor-induced T-cell anergy. <i>OncImmunity</i> , 2013 , 2, e226792	3.2	10
21	The Transcription Factor NFAT1 Participates in the Induction of CD4 T Cell Functional Exhaustion during Plasmodium yoelii Infection. <i>Infection and Immunity</i> , 2017 , 85,	3.7	8
20	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
19	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
18	The negative effect of lipid challenge on autophagy inhibits T cell responses. <i>Autophagy</i> , 2020 , 16, 223-238.	3.2	7
17	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
16	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
15	Nerve conduction velocity decrease and synaptic transmission alterations in caffeine-treated rats. <i>Neurotoxicology and Teratology</i> , 1994 , 16, 11-5	3.9	5
14	Induction of Effective Immunity against Trypanosoma cruzi. <i>Infection and Immunity</i> , 2020 , 88,	3.7	5
13	Assays for Monitoring Macroautophagy Activity in T cells. <i>Methods in Molecular Biology</i> , 2015 , 1343, 143-53	5.3	4
12	The T Cell Receptor Repertoire in Neuropsychiatric Systemic Lupus Erythematosus. <i>Frontiers in Immunology</i> , 2020 , 11, 1476	8.4	4
11	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
10	Reciprocal regulation of chaperone-mediated autophagy and the circadian clock. <i>Nature Cell Biology</i> , 2021 ,	23.4	3
9	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
8	Mechanisms of self-inactivation in anergic T cells. <i>Inmunologia (Barcelona, Spain: 1987)</i> , 2010 , 29, 20-33		0
7	Autophagy and T Cell Aging 2019 , 1-20		

6 The NFAT Family **2010**, 2083-2091

5 Transcriptional Regulation of T Cell Tolerance **2009**, 1-20

4 The NFAT Family: Structure, Regulation, and Biological Functions **2003**, 119-124

3 E3 ubiquitin ligases and immune tolerance: Targeting the immune synapse from within? **2008**, 129-146

2 Autophagy and T Cell Aging **2019**, 1359-1378

1 Transcriptional complexes formed by NFAT dimers regulate the induction of T cell tolerance.
Journal of Cell Biology, **2009**, 185, i2-i2

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