

Patrick G Hogan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2331711/publications.pdf>

Version: 2024-02-01

51
papers

16,167
citations

94433

37
h-index

189892

50
g-index

52
all docs

52
docs citations

52
times ranked

15908
citing authors

#	ARTICLE	IF	CITATIONS
1	TRANSCRIPTION FACTORS OF THE NFAT FAMILY:Regulation and Function. Annual Review of Immunology, 1997, 15, 707-747.	21.8	2,417
2	A mutation in Orai1 causes immune deficiency by abrogating CRAC channel function. Nature, 2006, 441, 179-185.	27.8	2,016
3	Transcriptional regulation by calcium, calcineurin, and NFAT. Genes and Development, 2003, 17, 2205-2232.	5.9	1,675
4	Orai1 is an essential pore subunit of the CRAC channel. Nature, 2006, 443, 230-233.	27.8	1,223
5	Defining "T cell exhaustion". Nature Reviews Immunology, 2019, 19, 665-674.	22.7	879
6	Molecular Basis of Calcium Signaling in Lymphocytes: STIM and ORAI. Annual Review of Immunology, 2010, 28, 491-533.	21.8	684
7	Affinity-Driven Peptide Selection of an NFAT Inhibitor More Selective Than Cyclosporin A. Science, 1999, 285, 2129-2133.	12.6	562
8	The Transcription Factor NFAT Promotes Exhaustion of Activated CD8 + T Cells. Immunity, 2015, 42, 265-278.	14.3	555
9	Dual functions for the endoplasmic reticulum calcium sensors STIM1 and STIM2 in T cell activation and tolerance. Nature Immunology, 2008, 9, 432-443.	14.5	528
10	Structure of the DNA-binding domains from NFAT, Fos and Jun bound specifically to DNA. Nature, 1998, 392, 42-48.	27.8	498
11	TOX and TOX2 transcription factors cooperate with NR4A transcription factors to impose CD8 ⁺ T cell exhaustion. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12410-12415.	7.1	481
12	Concerted Dephosphorylation of the Transcription Factor NFAT1 Induces a Conformational Switch that Regulates Transcriptional Activity. Molecular Cell, 2000, 6, 539-550.	9.7	418
13	Isolation of the Cyclosporin-Sensitive T Cell Transcription Factor NFATp. Science, 1993, 262, 750-754.	12.6	407
14	Molecular Identification of a Major Retinoic-Acid-Synthesizing Enzyme, a Retinaldehyde-Specific Dehydrogenase. FEBS Journal, 1996, 240, 15-22.	0.2	306
15	Interaction of calcineurin with substrates and targeting proteins. Trends in Cell Biology, 2011, 21, 91-103.	7.9	302
16	Selective Inhibition of NFAT Activation by a Peptide Spanning the Calcineurin Targeting Site of NFAT. Molecular Cell, 1998, 1, 627-637.	9.7	268
17	Exhaustion-associated regulatory regions in CD8 ⁺ tumor-infiltrating T cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2776-E2785.	7.1	242
18	STIM1 gates the store-operated calcium channel ORAI1 in vitro. Nature Structural and Molecular Biology, 2010, 17, 112-116.	8.2	212

#	ARTICLE	IF	CITATIONS
19	An siRNA screen for NFAT activation identifies septins as coordinators of store-operated Ca ²⁺ entry. <i>Nature</i> , 2013, 499, 238-242.	27.8	207
20	Near-infrared photoactivatable control of Ca ²⁺ signaling and optogenetic immunomodulation. <i>ELife</i> , 2015, 4, .	6.0	197
21	Proteomic mapping of ER-plasma membrane junctions identifies STIMATE as a regulator of Ca ²⁺ influx. <i>Nature Cell Biology</i> , 2015, 17, 1339-1347.	10.3	179
22	Initial activation of STIM1, the regulator of store-operated calcium entry. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 973-981.	8.2	175
23	Store-operated calcium entry: Mechanisms and modulation. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 40-49.	2.1	166
24	Selective inhibition of calcineurin-NFAT signaling by blocking protein-protein interaction with small organic molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7554-7559.	7.1	154
25	BATF and IRF4 cooperate to counter exhaustion in tumor-infiltrating CAR T cells. <i>Nature Immunology</i> , 2021, 22, 983-995.	14.5	147
26	A Similar DNA-binding Motif in NFAT Family Proteins and the Rel Homology Region. <i>Journal of Biological Chemistry</i> , 1995, 270, 4138-4145.	3.4	126
27	Structure of Calcineurin in Complex with PVIVIT Peptide: Portrait of a Low-affinity Signalling Interaction. <i>Journal of Molecular Biology</i> , 2007, 369, 1296-1306.	4.2	122
28	Calcium-NFAT transcriptional signalling in T cell activation and T cell exhaustion. <i>Cell Calcium</i> , 2017, 63, 66-69.	2.4	119
29	Dissecting ICRAC, a store-operated calcium current. <i>Trends in Biochemical Sciences</i> , 2007, 32, 235-245.	7.5	104
30	A Conserved Docking Site Modulates Substrate Affinity for Calcineurin, Signaling Output, and In Vivo Function. <i>Molecular Cell</i> , 2007, 25, 889-901.	9.7	93
31	The STIM1-ORAI1 microdomain. <i>Cell Calcium</i> , 2015, 58, 357-367.	2.4	81
32	Structural Delineation of the Calcineurin-NFAT Interaction and its Parallels to PP1 Targeting Interactions. <i>Journal of Molecular Biology</i> , 2004, 342, 1659-1674.	4.2	77
33	STIM1 triggers a gating rearrangement at the extracellular mouth of the ORAI1 channel. <i>Nature Communications</i> , 2014, 5, 5164.	12.8	75
34	Coiled-Coil Formation Conveys a STIM1 Signal from ER Lumen to Cytoplasm. <i>Cell Reports</i> , 2018, 22, 72-83.	6.4	64
35	TMEM110 regulates the maintenance and remodeling of mammalian ER-plasma membrane junctions competent for STIM-ORAI signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E7083-92.	7.1	58
36	Calcium sensing by the STIM1 ER-luminal domain. <i>Nature Communications</i> , 2018, 9, 4536.	12.8	51

#	ARTICLE	IF	CITATIONS
37	Muscle activity decreases rate of degradation of α -bungarotoxin bound to extrajunctional acetylcholine receptors. <i>Nature</i> , 1976, 261, 328-330.	27.8	39
38	Transcriptional and epigenetic regulation of T cell hyporesponsiveness. <i>Journal of Leukocyte Biology</i> , 2017, 102, 601-615.	3.3	39
39	L-type Ca ²⁺ channel blockers promote vascular remodeling through activation of STIM proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17369-17380.	7.1	37
40	Targeting the NFAT:AP-1 transcriptional complex on DNA with a small-molecule inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9959-9968.	7.1	36
41	Calcineurin. <i>Current Biology</i> , 2005, 15, R442-R443.	3.9	33
42	Septins organize endoplasmic reticulum-plasma membrane junctions for STIM1-ORAI1 calcium signalling. <i>Scientific Reports</i> , 2019, 9, 10839.	3.3	29
43	A secretory pathway kinase regulates sarcoplasmic reticulum Ca ²⁺ homeostasis and protects against heart failure. <i>ELife</i> , 2018, 7, .	6.0	22
44	STIM calcium sensing and conformational change. <i>Journal of Physiology</i> , 2020, 598, 1695-1705.	2.9	21
45	The STIM-Orai Pathway: Orai, the Pore-Forming Subunit of the CRAC Channel. <i>Advances in Experimental Medicine and Biology</i> , 2017, 993, 39-57.	1.6	19
46	Structure-Based Optimization of a Peptidyl Inhibitor against Calcineurin-Nuclear Factor of Activated T Cell (NFAT) Interaction. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7792-7797.	6.4	10
47	Subcellular Localization and Activity of the Mitogen-Activated Protein Kinase Kinase 7 (MKK7) α Isoform are Regulated through Binding to the Phosphatase Calcineurin. <i>Molecular Pharmacology</i> , 2019, 95, 20-32.	2.3	6
48	Calcium signals regulate the functional differentiation of thymic iNKT cells. <i>EMBO Journal</i> , 2021, 40, e107901.	7.8	3
49	Insights into CRAC channel gating and ion permeation. <i>Cell Research</i> , 2012, 22, 1105-1107.	12.0	2
50	Calcineurin: A star is reborn. <i>Cell Calcium</i> , 2021, 94, 102324.	2.4	2
51	Signaling ER Store Depletion to Plasma Membrane Orai Channels. , 2017, , 51-72.		1