Patrick G Hogan

List of Publications by Year
in descending order

51	16,167	94415 37	189881 50
papers	citations	h-index	g-index

52	52	52	15908
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Calcineurin: A star is reborn. Cell Calcium, 2021, 94, 102324.	2.4	2
2	Calcium signals regulate the functional differentiation of thymic iNKT cells. EMBO Journal, 2021, 40, e107901.	7.8	3
3	BATF and IRF4 cooperate to counter exhaustion in tumor-infiltrating CAR T cells. Nature Immunology, 2021, 22, 983-995.	14.5	147
4	STIM calcium sensing and conformational change. Journal of Physiology, 2020, 598, 1695-1705.	2.9	21
5	L-type Ca ²⁺ channel blockers promote vascular remodeling through activation of STIM proteins. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17369-17380.	7.1	37
6	Septins organize endoplasmic reticulum-plasma membrane junctions for STIM1-ORAI1 calcium signalling. Scientific Reports, 2019, 9, 10839.	3.3	29
7	Defining â€˜T cell exhaustionâ€™. Nature Reviews Immunology, 2019, 19, 665-674.	22.7	879
8	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
9	Targeting the NFAT:AP-1 transcriptional complex on DNA with a small-molecule inhibitor. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9959-9968.	7.1	36
10	Subcellular Localization and Activity of the Mitogen-Activated Protein Kinase Kinase 7 (MKK7)Î³Isoform are Regulated through Binding to the Phosphatase Calcineurin. Molecular Pharmacology, 2019, 95, 20-32.	2.3	6
11	Coiled-Coil Formation Conveys a STIM1 Signal from ER Lumen to Cytoplasm. Cell Reports, 2018, 22, 72-83.	6.4	64
12	Calcium sensing by the STIM1 ER-luminal domain. Nature Communications, 2018, 9, 4536.	12.8	51
13	A secretory pathway kinase regulates sarcoplasmic reticulum Ca2+ homeostasis and protects against heart failure. ELife, 2018, 7, .	6.0	22
14	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
15	Calciumâ€“NFAT transcriptional signalling in T cell activation and T cell exhaustion. Cell Calcium, 2017, 63, 66-69.	2.4	119
16	Transcriptional and epigenetic regulation of T cell hyporesponsiveness. Journal of Leukocyte Biology, 2017, 102, 601-615.	3.3	39
17	The STIM-Orai Pathway: Orai, the Pore-Forming Subunit of the CRAC Channel. Advances in Experimental Medicine and Biology, 2017, 993, 39-57.	1.6	19
18	Signaling ER Store Depletion to Plasma Membrane Orai Channels. , 2017, , 51-72.		1

#	Article	IF	Citations
19	Store-operated calcium entry: Mechanisms and modulation. Biochemical and Biophysical Research Communications, 2015, 460, 40-49.	2.1	166
20	TMEM110 regulates the maintenance and remodeling of mammalian ERâ€“plasma membrane junctions competent for STIMâ€“ORAI signaling. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E7083-92.	7.1	58
21	The Transcription Factor NFAT Promotes Exhaustion of Activated CD8 + T Cells. Immunity, 2015, 42, 265-278.	14.3	555
22	The STIM1â€“ORAI1 microdomain. Cell Calcium, 2015, 58, 357-367.	2.4	81
23	Proteomic mapping of ERâ€“PM junctions identifies STIMATE as a regulator of Ca2+ influx. Nature Cell Biology, 2015, 17, 1339-1347.	10.3	179
24	Near-infrared photoactivatable control of Ca2+ signaling and optogenetic immunomodulation. ELife, 2015, 4, .	6.0	197
25	Structure-Based Optimization of a Peptidyl Inhibitor against Calcineurin-Nuclear Factor of Activated T Cell (NFAT) Interaction. Journal of Medicinal Chemistry, 2014, 57, 7792-7797.	6.4	10
26	STIM1 triggers a gating rearrangement at the extracellular mouth of the ORAI1 channel. Nature Communications, 2014, 5, 5164.	12.8	75
27	An siRNA screen for NFAT activation identifies septins as coordinators of store-operated Ca2+ entry. Nature, 2013, 499, 238-242.	27.8	207
28	Initial activation of STIM1, the regulator of store-operated calcium entry. Nature Structural and Molecular Biology, 2013, 20, 973-981.	8.2	175
29	Insights into CRAC channel gating and ion permeation. Cell Research, 2012, 22, 1105-1107.	12.0	2
30	Interaction of calcineurin with substrates and targeting proteins. Trends in Cell Biology, 2011, 21, 91-103.	7.9	302
31	STIM1 gates the store-operated calcium channel ORAI1 in vitro. Nature Structural and Molecular Biology, 2010, 17, 112-116.	8.2	212
32	Molecular Basis of Calcium Signaling in Lymphocytes: STIM and ORAI. Annual Review of Immunology, 2010, 28, 491-533.	21.8	684
33	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
34	Structure of Calcineurin in Complex with PVIVIT Peptide: Portrait of a Low-affinity Signalling Interaction. Journal of Molecular Biology, 2007, 369, 1296-1306.	4.2	122
35	A Conserved Docking Site Modulates Substrate Affinity for Calcineurin, Signaling Output, and In Vivo Function. Molecular Cell, 2007, 25, 889-901.	9.7	93
36	Dissecting ICRAC, a store-operated calcium current. Trends in Biochemical Sciences, 2007, 32, 235-245.	7.5	104

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37	A mutation in Orai1 causes immune deficiency by abrogating CRAC channel function. Nature, 2006, 441, 179-185.	27.8	2,016
38	Orai1 is an essential pore subunit of the CRAC channel. Nature, 2006, 443, 230-233.	27.8	1,223
39	Calcineurin. Current Biology, 2005, 15, R442-R443.	3.9	33
40	Selective inhibition of calcineurin-NFAT signaling by blocking protein-protein interaction with small organic molecules. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7554-7559.	7.1	154
41	Structural Delineation of the Calcineurinâ€“NFAT Interaction and its Parallels to PP1 Targeting Interactions. Journal of Molecular Biology, 2004, 342, 1659-1674.	4.2	77
42	Transcriptional regulation by calcium, calcineurin, and NFAT. Genes and Development, 2003, 17, 2205-2232.	5.9	1,675
43	Concerted Dephosphorylation of the Transcription Factor NFAT1 Induces a Conformational Switch that Regulates Transcriptional Activity. Molecular Cell, 2000, 6, 539-550.	9.7	418
44	Affinity-Driven Peptide Selection of an NFAT Inhibitor More Selective Than Cyclosporin A. Science, 1999, 285, 2129-2133.	12.6	562
45	Structure of the DNA-binding domains from NFAT, Fos and Jun bound specifically to DNA. Nature, 1998, 392, 42-48.	27.8	498
46	Selective Inhibition of NFAT Activation by a Peptide Spanning the Calcineurin Targeting Site of NFAT. Molecular Cell, 1998, 1, 627-637.	9.7	268
47	TRANSCRIPTION FACTORS OF THE NFAT FAMILY:Regulation and Function. Annual Review of Immunology, 1997, 15, 707-747.	21.8	2,417
48	Molecular Identification of a Major Retinoic-Acid-Synthesizing Enzyme, a Retinaldehyde-Specific Dehydrogenase. FEBS Journal, 1996, 240, 15-22.	0.2	306
49	A Similar DNA-binding Motif in NFAT Family Proteins and the Rel Homology Region. Journal of Biological Chemistry, 1995, 270, 4138-4145.	3.4	126
50	Isolation of the Cyclosporin-Sensitive T Cell Transcription Factor NFATp. Science, 1993, 262, 750-754.	12.6	407
51	Muscle activity decreases rate of degradation of Î±-bungarotoxin bound to extrajunctional acetylcholine receptors. Nature, 1976, 261, 328-330.	27.8	39